

**Table 1: Representative sample of very highly-abundant named genes in human and baboon CD34+ cells, by functional category.**

UniGene Cluster ID	Genbank Accession #	Description	Gene name
I. Growth Factors/Cytokines			
Hs.56023	AA262988	Brain-derived neurotrophic factor	BDNF
Hs.180577	AA496452	<b>Granulin</b>	GRN
Hs.251664	N54596	Insulin-like growth factor 2	IGF2
Hs.82045	AA968896	Midkine	MDK
Hs.118787	AA633901	Transforming growth factor, beta-induced	TGFBI
II. Cell Surface/Receptors			
Hs.85258	AA443649	<b>CD8 antigen, alpha polypeptide</b>	CD8A
Hs.75626	AA136359	<b>CD58 antigen</b>	CD58
Hs.75564	AA456183	<b>CD151 antigen</b>	CD151
Hs.2175	AA443000	<b>Colony stimulating factor 3 precursor receptor</b>	CSF3R
Hs.110849	AA098896	Estrogen-related receptor alpha	ESRRA
Hs.89650	R68805	Integral transmembrane protein 1	ITM1
Hs.1724	AA903183	<b>Interleukin 2 receptor, alpha</b>	IL2RA
Hs.172689	W44701	<b>Interleukin 3 receptor, alpha</b>	IL3RA
Hs.47860	N63949	Neurotrophic tyrosine kinase, receptor, type 2	NTRK2
Hs.82028	AA487034	Transforming growth factor, beta receptor II	TGFR2
III. Intracellular signalling molecules			
Hs.166154	AA463972	<b>jagged 2</b>	JAG2
Hs.86859	H53703	Growth factor receptor-bound protein 7	GRB7
Hs.78793	AA447574	Protein kinase C, zeta	PRKCZ
Hs.62402	AA890663	p21/Cdc42/Rac1-activated kinase 1 (yeast Ste20-related)	PAK1
Hs.75074	AA455056	Mitogen-activated protein kinase-activated protein kinase 2	MAPKAPK2
Hs.73799	AA490256	Guanine nucleotide binding protein, alpha inhibiting activity	GNAI3
Hs.75217	AA293050	Mitogen-activated protein kinase kinase 4	MAP2K4
Hs.138860	AA443506	Rho GTPase activating protein 1	ARHGAP1
V. Cell cycle proteins			
Hs.82906	AA464698	Cell division cycle 20, S.cerevisiae homolog	CDC20
Hs.153752	AA448659	Cell division cycle 25B	CDC25B
Hs.172405	T81764	Cell division cycle 27	CDC27
Hs.77550	AA459292	CDC28 protein kinase 1	CKS1
V. Apoptosis/Anti-apoptosis factors			
Hs.82890	AA455281	Defender against cell death 1	DAD1
Hs.227817	AA459263	BCL2-related protein A1	BCL2A1
VI. Cytoskeleton/Cell matrix/Adhesion			
Hs.183805	AA464755	<b>Ankyrin 1, erythrocytic</b>	ANK1
Hs.171271	AA442092	Catenin, beta 1	CTNNB1
Hs.75617	AA430540	Collagen, type IV, alpha 2	COL4A2
Hs.71346	AA400329	Neurofilament 3 (150kD medium)	NEF3
Hs.78146	R22412	<b>Platelet/endothelial cell adhesion molecule</b>	PECAM1
Hs.75318	AA180912	Tubulin, alpha 1	TUBA1

VII. Metabolic proteins

Hs.278399	AA844818	Amylase, alpha 2A; pancreatic	AMY2A
Hs.155097	H23187	Carbonic anhydrase II	CA2
Hs.81097	AA862813	Cytochrome c oxidase subunit VIII	COX8
Hs.172690	AA456900	Diacylglycerol kinase alpha	DGKA
Hs.944	AA401111	Glucose phosphate isomerase	GPI
Hs.2795	AA489611	Lactate dehydrogenase A	LDHA

VIII. Transcription factors/Activators/Inhibitors

Hs.158195	AA250730	Heat shock transcription factor 2	HSF2
Hs.22554	AA252627	Homeo box B5	HOXB5
Hs.153837	N29376	<b>Myeloid cell nuclear differentiation antigen</b>	MNDA
Hs.79334	AA633811	<b>Nuclear factor, interleukin 3 regulated</b>	NFIL3
Hs.74002	AA495962	Nuclear receptor coactivator 1	NCOA1
Hs.192861	N71628	<b>Spi-B transcription factor</b>	SPI-B
Hs.3005	AA284693	Transcription factor AP-4	TFAP4

Genes highlighted in bold are known to be expressed in hematopoietic tissues

GenBank accession # specifies a cDNA from a specific IMAGE clone spotted on the GeneFilter membrane

09897798.070201



Table 2: Selection of very highly-abundant ESTs and partially characterized cDNAs in human and baboon CD34+ Cells.

UniGene Cluster ID	Genbank accession #	Description	Gene Name
Hs.155545	AA423944	37 kDa leucine-rich repeat (LRR) protein	P37NB
Hs.42322	AA682795	A kinase (PRKA) anchor protein 2	AKAP2
Hs.155586	N90281	B7 protein	B7
Hs.118724	AA406285	DR1-associated protein 1 (negative cofactor 2 alpha)	DRAP1
Hs.183738	AA486435	FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-de FARP1	
Hs.9914	AA701860	folistatin	FST
Hs.147189	R01638	HYA22 protein	HYA22
Hs.23119	AA455272	ITBA1 gene	ITBA1
Hs.20149	AA425755	leukemia associated gene 1	LEU1
Hs.118796	AA872001	Annexin A6	ANX6
Hs.102948	AA127096	enigma (LIM domain protein)	ENIGMA
Hs.41007	AA147980	HSPC158 protein	HSPC158
Hs.89650	R68805	integral membrane protein 1	ITM1
Hs.69855	AA504682	NRAS-related gene	D1S155E
Hs.172589	AA485992	nuclear phosphoprotein similar to S. cerevisiae PWP1	PWP1
Hs.2815	N63968	POU domain, class 6, transcription factor 1	POU6F1
Hs.59545	AA195036	ring finger protein 15	RNF15
Hs.172052	AA732873	serine/threonine kinase 18	STK18
Hs.444	H87351	serine/threonine kinase 19	STK19
Hs.98874	AA436479	similar to proline-rich protein 48	LOC54518
Hs.151689	AA043458	zinc finger protein 137 (clone pHZ-30)	ZNF137
Hs.169832	AA120779	zinc finger protein 42 (myeloid-specific retinoic acid- responsive)	ZNF42
Hs.104746	AA406206	ESTs, Highly similar to NBL4 PROTEIN [M.musculus]	
Hs.58643	AA490900	ESTs, Highly similar to JAK3B [H.sapiens]	
Hs.42733	W85875	ESTs, Weakly similar to BC-2 protein [H.sapiens]	
Hs.90020	AA626316	ESTs, Weakly similar to KINESIN LIGHT CHAIN [H.sapiens]	
Hs.118739	AA521439	ESTs, Weakly similar to phosphoinositide 3-kinase [H.sapiens]	
Hs.84640	W93317	ESTs, Weakly similar to proline-rich protein MP3 [M.musculus]	
Hs.24956	AA454654	ESTs, Weakly similar to SH3 domain-binding protein SNP70 [H.sapiens]	
Hs.36779	H33499	ESTs, Weakly similar to Zn-finger-like protein [H.sapiens]	

GenBank accession # specifies a cDNA from a specific IMAGE clone spotted on the GeneFilter membrane

**Table 3: Comparison of expression level of apparent species-specific genes by semi-quantitative RT-PCR.**

Specificity (by GFs)	Unigene Cluster ID	Primer Pair	Hu/Bab Intensity Ratio (by GFs)	Hu/Bab Intensity Ratio (by RT-PCR)	Gene Name
Human	Hs.1817	R05886	16.3	3.6	MPO
Human	Hs.13818	R85439	6.9	1.5	ESTs
Human	Hs.47956	N55359	4.9	*	ESTs
Human	Hs.43708	N25920	3.7	-1.9	EST
Human	Hs.215595	AA487912	3.2	5.4	GNB1
Baboon	Hs.118409	AA676327	-21.5	1.8	ESTs
Baboon	Hs.107308	R82595	-19.3	1.2	cDNA
Baboon	Hs.114593	N74363	-9.2	*	ESTs

Primer pairs were named after the GenBank Accession number specifying a cDNA from a specific IMAGE clone spotted on GeneFilter membrane.

GF, GeneFilters; MPO, myeloperoxidase; GNB1, Guanine nucleotide binding protein (G protein), beta polypeptide 1; cDNA, Homo sapiens uncharacterized gene.

\* indicates no expression in either species. Negative intensity ratio indicates higher expression in baboon than in human.

09897798.070204

## APPENDIX A

filter	cdna id	acc	old cluster id	new cluster id	title	gene	Norm Hu	ave ratio
GF202	120528	T95320	Hs.90953	Hs.274663	EST		160255.1	2.62307498
GF204	768469	AA495962	Hs.101629	Hs.74002	nuclear receptor coactivator 1	NCOA1	138120.3	
GF202	782668	AA447574	Hs.88094	Hs.78793	protein kinase C, zeta	PRKCZ	137760.3	1.94695396
GF204	1292878	AA776730	Hs.121864	Hs.25489	Homo sapiens cDNA FLJ20640 fis, clone KAT02911		125726.7	
GF203	768393	AA495818	Hs.57655	Hs.57655	Homo sapiens cDNA FLJ10829 fis, clone		121576.8	2.45969384
GF202	626186	AA188710	Hs.54847	Hs.54847	NT2RP4001138		120921.4	2.55664536
GF202	505454	AA156433	Hs.103864	Hs.103864	ESTs		119661.7	2.94604235
GF202	287639	N59137	Hs.48317	Hs.48317	ESTs		119653.4	2.86266056
GF203	1475633	AA872001	Hs.118796	Hs.118796	annexin A6	ANXA6	112895.1	2.22592766
GF202	742682	AA400283	Hs.97567	Hs.97567	Homo sapiens mRNA; cDNA DKFZp434l2330 (from clone		109542.1	2.84687651
GF202	282000	N51107	Hs.47199	Hs.47199	DKFZp434l2330); partial cds		108670.9	2.12639386
GF203	770380	AA430662	Hs.112023	Hs.112023	ESTs		105240.3	2.27188962
GF202	796656	AA461476	Hs.10098	Hs.10098	Homo sapiens mRNA for putative nucleolar RNA		101768	2.18748751
GF202	593838	AA166743	Hs.103938	Hs.226866	helicase		101089	2.51532938
GF203	449278	AA777699	Hs.121962	Hs.121962	ESTs		97993.38	1.76679251
GF203	392390	AA707922	Hs.54471	Hs.54471	phosphodiesterase 6H, cGMP-		96992.84	2.54048749
GF203	726726	AA398274	Hs.97596	Hs.97596	specific, cone, gamma	PDE6H	95986.43	2.72935565
GF204	1475146	AA857871	Hs.124658	Hs.187917	EST		95770.71	
GF203	742074	AA405751	Hs.48320	Hs.48320	DKFZP566B1346 protein	DKFZP566B1346	95228.52	1.75555341
GF202	813636	AA447731	Hs.9771	Hs.20760	DKFZP564M182 protein	DKFZP564M182	94123.88	2.46996072

APPENDIX A

GF203	878511	AA775842	Hs.27309	Hs.153423	Human DNA sequence from clone RP5-1103G7 on chromosome 20p12.2-13. Contains up to five unknown novel genes, the gene for a novel protein kinase domains containing protein similar to phosphoprotein C8FW an the SOX22 gene for SRY (sex-determining region Y)-	93615.36	1.71902643
					Human DNA sequence from clone RP5-1103G7 on chromosome 20p12.2-13. Contains up to five unknown novel genes, the gene for a novel protein kinase domains containing protein similar to phosphoprotein C8FW an the SOX22 gene for SRY (sex-determining region Y)-		
GF204	1434915	AA857115	Hs.13494	Hs.13494	ESTs	93334.59	
GF203	289759	N62986	Hs.21368	Hs.18653	ESTs	92886.84	2.13378254
GF204	743838	AA634409	Hs.55273	Hs.167027	ESTs	91265.47	
					Homo sapiens mRNA; cDNA DKFZp586E1923 (from clone DKFZp586E1923)		
GF204	897143	AA676890	Hs.118069	Hs.70769	ESTs, Highly similar to JAK3B [H.sapiens]	90713.27	
GF203	824523	AA490900	Hs.58643	Hs.58643	ESTs	90666.67	1.89179286
GF202	344958	W72892	Hs.58238	Hs.214507	ESTs	90192.8	1.96119226
GF202	731050	AA421276	Hs.104829	Hs.104829	ESTs	86819.45	2.36974896
GF204	1292115	AA707613	Hs.102554	Hs.102554	ESTs	86728.66	
					zinc finger protein homologous to Zip-36 in mouse		
GF204	742047	AA402901	Hs.115415	Hs.1665	ESTs	83363.81	
GF202	505158	AA150979	Hs.71730	Hs.71730	ESTs	82839.82	2.50916845
GF203	1416782	AA894557	Hs.669	Hs.173724	creatine kinase, brain	81982.21	2.47487375
					CKB		

FD-2020-036226860

## APPENDIX A

GF203	450423	AA682795	Hs.124750	Hs.42322	A kinase (PRKA) anchor protein 2	AKAP2	80985.4	1.88906595
GF201	62112	T41077	Hs.90482	Hs.70266	yeast Sec31p homolog	KIAA0905	80622.91	
GF202	328868	W45275	Hs.124741	Hs.169610	CD44 antigen (homing function and Indian blood group system)	CD44	79166.48	2.36355738
GF202	238661	H81543	Hs.39093	Hs.39093	ESTs		78829.73	2.26876805
GF204	1591941	AA983252	Hs.42491	Hs.42491	ESTs		78791.09	
					ESTs, Moderately similar to !!!!			
					ALU SUBFAMILY SQ			
					WARNING ENTRY !!!!			
GF202	300862	N78703	Hs.50749	Hs.50749	[H.sapiens]		77945.79	2.33746863
					transducin-like enhancer of split 4, homolog of Drosophila			
GF203	450745	AA704492	Hs.83958	Hs.83958	E(sp1)	TLE4	77870.97	1.49518458
GF202	376995	AA057782	Hs.103470	Hs.103470	EST		76165.02	2.29498462
					Homo sapiens cDNA			
					FLJ11259 fis, clone			
GF202	840467	AA485877	Hs.103423	Hs.184465	PLACE1009045		76096.96	2.45956973
GF203	277430	N56860	Hs.32795	Hs.32795	ESTs		75709.41	1.97724647
GF202	359653	AA010872	Hs.60456	Hs.60456	ESTs		75575.59	2.11725094
GF202	838774	AA457566	Hs.81946	Hs.81946	ESTs		75356.48	2.74629146
					plectin 1, intermediate filament binding protein, 500kD	PLEC1	75179	
GF204	857249	AA629644	Hs.116739	Hs.79706	ESTs, Weakly similar to KINESIN LIGHT CHAIN			
					[H.sapiens]			
GF204	745572	AA626316	Hs.90020	Hs.90020	ESTs		75165.94	
GF202	951101	AA620472	Hs.112864	Hs.38239	guanine nucleotide-binding protein G(i)/G(o) gamma-2 subunit		74427.7	2.14580137
					KIAA1023 protein	GNG2		
GF202	269029	N26108	Hs.23767	Hs.23767	ESTs	KIAA1023	74010.23	2.42561535
GF203	272100	N35393	Hs.21361	Hs.21361	ESTs		73567.4	2.08542937
GF203	432007	AA678267	Hs.117115	Hs.117115	EST		73307.25	1.79995183
GF203	449370	AA777424	Hs.121918	Hs.121918	EST		73059.62	1.81588663
GF202	121633	T97599	Hs.113025	Hs.113025	ESTs		72768.17	2.83786739

## APPENDIX A

GF204	1276665	AA776794	Hs.12243	Hs.12243	hypothetical protein	LOC51236	71833.55
GF204	1467034	AA883200	Hs.120606	Hs.120606	ESTs		71640.2
GF203	811955	AA456642	Hs.105033	Hs.105033	ESTs, Weakly similar to		
GF202	309058	N92877	Hs.54864	Hs.153943	SPR2J protein [M.musculus]		2.93443691
GF202	281240	N50998	Hs.47168	Hs.47168	ESTs		2.60164782
					ESTs		2.43216955
GF202	346257	W74071	Hs.111710	Hs.154443	minichromosome maintenance		
GF204	1291667	AA776825	Hs.121871	Hs.121871	deficient (S. cerevisiae) 4	MCM4	2.68270626
GF203	814838	AA465653	Hs.6381	Hs.173736	ESTs		70690.08
					ancient ubiquitous protein 1	AUP1	2.02145244
GF202	144065	R77144	Hs.109047	Hs.109047	ESTs, Weakly similar to mucin		
GF203	754200	AA478794	Hs.21247	Hs.111515	[H.sapiens]		69935.09
					DKFZP58611023 protein	DKFZP58611023	2.51329338
							2.406052
GF203	1472336	AA873499	Hs.101840	Hs.101840	major histocompatibility		
GF202	796159	AA461091	Hs.110667	Hs.110667	complex, class I-like sequence	HLAS	2.27213986
GF202	31869	R43017	Hs.6985	Hs.6985	ESTs		2.7320069
GF204	1468092	AA889416	Hs.125958	Hs.125958	ESTs		2.29733395
					ubiquitin A-52 residue		67377.91
					ribosomal protein fusion		67335.37
GF203	1492412	AA878561	Hs.119502	Hs.119502	product 1	UBA52	2.51557132
GF204	752647	AA417560	Hs.104801	Hs.104801	ESTs		66864.98
GF203	757503	AA426380	Hs.98373	Hs.5025	nebullette	NEBL	66197.74
GF204	745136	AA626697	Hs.116169	Hs.116169	ESTs		65805.4
GF201	306421	N92705	Hs.43510	Hs.43510	ESTs		65401.33
GF204	1456776	AA863314	Hs.127668	Hs.5372	claudin 4	CLDN4	64984.06
GF203	449470	AA777723	Hs.121972	Hs.121972	EST		64983.23
					chromosome 1 open reading		64756.71
GF202	897730	AA598987	Hs.11441	Hs.11441	frame 8	C1ORF8	1.80060861
							2.60056512
GF203	785890	AA449362	Hs.34658	Hs.183211	ESTs, Weakly similar to		
GF202	277021	N39265	Hs.44984	Hs.44984	similar to collagen [C.elegans]		63349.86
GF202	255182	N22033	Hs.121509	Hs.121509	EST		63169.59
					collagen, type XI, alpha 2	COL11A2	2.28955502
							2.85111473

APPENDIX A

GF202	358887	W94630	Hs.109503	Hs.109503	ESTs	62258.61	2.68501381
GF202	781003	AA446011	Hs.104966	Hs.104966	ESTs	62022.12	2.25336235
GF202	1048599	AA608869	Hs.112606	Hs.112606	ESTs	61953.39	2.82007731
GF202	743048	AA406078	Hs.98005	Hs.98005	ESTs	61494.63	2.43408034
GF203	1376827	AA812973	Hs.73072	Hs.73072	chaparonin containing TCP1, subunit 6B (zeta 2)	61338.88	2.14963883
GF203	745117	AA626379	Hs.25015	Hs.277728	SEC14 (S. cerevisiae)-like 2	60802.85	1.87406994
GF203	280528	N47316	Hs.53996	Hs.53996	ESTs	60700.79	1.87436658
					Homo sapiens cDNA FLJ10727 fis, clone NT2RP3001221, weakly similar to GAMMA-BUTYROBETAINE,2-OXOGLUTARATE DIOXYGENASE (EC 1.14.11.1)		
GF202	588350	AA151697	Hs.48907	Hs.103816	chromodomain helicase DNA binding protein 2	60640.29	2.31157689
GF203	768262	AA424952	Hs.11473	Hs.36787	CHD2	60486.73	2.50148488
GF201	357651	W94136	Hs.48504	Hs.48504	ESTs	60441.24	
GF203	824758	AA488998	Hs.17820	Hs.17820	Rho-associated, coiled-coil containing protein kinase 1	60373.29	1.87253034
GF204	378917	AA778314	Hs.122016	Hs.122016	ESTs	60341.7	
GF203	767321	AA418483	Hs.104806	Hs.104806	ESTs	60328.35	2.06371347
GF202	773199	AA425700	Hs.98443	Hs.146119	ESTs	60317.77	2.14184305
GF202	503699	AA131576	Hs.103823	Hs.103823	ESTs	60205.78	2.90312521
GF204	1472436	AA872222	Hs.126202	Hs.196437	KIAA0184 protein	60156.17	
GF204	701497	AA286939	Hs.105096	Hs.105096	EST	60126.97	
GF204	1055676	AA628214	Hs.116216	Hs.165387	ESTs	59997.41	
GF202	504596	AA149204	Hs.71951	Hs.175783	zinc transporter	59897.55	2.61005264
GF203	788519	AA452578	Hs.99285	Hs.262907	ESTs	59873.38	2.80369025
GF203	452660	AA779153	Hs.122083	Hs.146159	ESTs	59819.86	1.72533084
GF202	1055543	AA620821	Hs.112911	Hs.112911	EST	59583.44	2.53257301
					ESTs, Highly similar to type III adenyl cyclase [H.sapiens]		
GF202	742818	AA400482	Hs.8402	Hs.169411	ESTs	59465.56	2.49675695
GF202	795588	AA459692	Hs.112143	Hs.112143	ESTs	59349.13	2.66473525

APPENDIX A

GF202	855523	AA664180	Hs.119708	Hs.172153	glutathione peroxidase 3 (plasma)	GPX3	59055.87	2.49217322
GF204	378265	AA777050	Hs.122519	Hs.186566	ESTs		58428.99	
GF202	841022	AA486864	Hs.100256	Hs.100256	ESTs		58321.98	2.19801556
GF203	280084	N56948	Hs.114446	Hs.223323	ESTs		58310.04	2.00606636
GF203	432074	AA679279	Hs.117159	Hs.117159	EST		57835.84	1.67978776
GF202	810983	AA459421	Hs.111968	Hs.17936	DKFZP434H132 protein	DKFZP434H132	57761.01	2.33560939
					Homo sapiens mRNA for KIAA1126 protein, partial cds			
GF202	259627	N29778	Hs.44087	Hs.44087	ESTs		57592.12	2.30882332
GF202	31979	R43026	Hs.12286	Hs.12286	ESTs		57558.7	2.90754544
GF202	797057	AA463249	Hs.16959	Hs.16959	ESTs		57539.92	1.89253828
					ESTs, Highly similar to N-terminal acetyltransferase complex and subunit [H.sapiens]			
GF203	731073	AA421291	Hs.109253	Hs.109253	erythrocyte membrane protein band 4.9 (dema)	EPB49	57439.02	2.02284366
GF203	245979	N55461	Hs.75936	Hs.274122			57399.61	2.23003079
GF203	1469138	AA865707	Hs.90765	Hs.90765	fibrinogen, A alpha polypeptide FGA		57054.9	2.7603639
GF202	485738	AA039929	Hs.112320	Hs.185973	membrane fatty acid (lipid) desaturase	MLD	56783.39	2.2417136
					Homo sapiens mRNA; cDNA DKFZp434H2215 (from clone DKFZp434H2215)			
GF204	1292501	AA719238	Hs.120369	Hs.120369	putative selenocysteine lyase	SCLY	56729.76	1.88480545
GF203	343967	W70222	Hs.108156	Hs.44049	ESTs		55943.41	1.9616827
GF203	700671	AA283926	Hs.51501	Hs.210506	tryptophan hydroxylase (tryptophan 5-monoxygenase)			
GF203	384134	AA702193	Hs.114292	Hs.144563	Novel human gene mapping to chromosome 22	TPH	55734.96	2.04252344
GF203	266851	N23135	Hs.38628	Hs.38628	arylalkylamine N-acetyltransferase	AANAT	55667.98	2.36299551
GF203	395440	AA757429	Hs.57688	Hs.152972	ESTs		55489.25	2.15655587
GF204	434868	AA701234	Hs.58323	Hs.58323	lectin, galactoside-binding, soluble, 2 (galectin 2)	LGALS2	55413.64	
GF203	1472743	AA872397	Hs.113987	Hs.113987			55220.08	2.72148598



APPENDIX A

GF202	283142	N51335	Hs.47234	Hs.47234	ESTs		55065.05	2.3032412
GF204	1048965	AA778611	Hs.65750	Hs.65750	KIAA1086 protein	KIAA1086	54932.88	
GF203	682479	AA255552	Hs.66999	Hs.20017	chromosome 22 open reading frame 4		54656.55	2.1388748
GF202	743416	AA609334	Hs.112692	Hs.112692	ESTs	C22ORF4	54645.92	2.69931776
GF203	1309620	AA757170	Hs.73211	Hs.178215	Vertebrate LIN7 homolog 1, Tax interaction protein 33	VEL1	54644.09	2.28509341
GF204	1034593	AA779817	Hs.122116	Hs.273704	ESTs		54627.96	
GF204	1293191	AA682779	Hs.117229	Hs.117229	ESTs		54548.56	
GF203	857574	AA782314	Hs.29808	Hs.29808	ESTs		54487.47	1.65482044
GF202	1031027	AA609861	Hs.112772	Hs.248705	ESTs		54448.52	2.19879638
GF202	796519	AA460254	Hs.105043	Hs.105043	EST		54433.58	2.26507735
GF203	269185	N26621	Hs.15768	Hs.15768	ESTs		54190.89	1.94255209
GF203	1470333	AA866113	Hs.24957	Hs.15740	amyloid beta (A4) precursor protein-binding, family B, member 2 (Fe65-like)	APBB2	53920.27	2.5487216
GF204	1467972	AA883865	Hs.125516	Hs.108809	chaperonin containing TCP1, subunit 7 (eta)	CCT7	53801.7	
GF202	490043	AA115466	Hs.103718	Hs.103718	ESTs		53532.45	2.37323786
GF202	730953	AA416547	Hs.28471	Hs.28471	ESTs		53412.36	2.09858225
GF204	1642145	A1023265	Hs.131895	Hs.12896	KIAA1034 protein	KIAA1034	53078.19	
GF204	448556	AA777749	Hs.114273	Hs.5978	LIM domain only 7	LMO7	52996.26	
GF202	810217	AA464698	Hs.92249	Hs.82906	cell division cycle 20, S.cerevisiae homolog	CDC20	52937.97	2.25931089
GF203	489553	AA098896	Hs.110849	Hs.110849	estrogen-related receptor alpha	ESRRA	52844.92	2.4541108
GF204	378243	AA777034	Hs.4869	Hs.200586	brain-specific angiogenesis inhibitor 2	BAI2	52774.88	
GF202	1048588	AA608857	Hs.112604	Hs.131629	ESTs		52714.73	2.56562065
GF203	127267	R08311	Hs.113189	Hs.269397	ESTs		52663.28	1.74524144
GF202	503555	AA131267	Hs.36280	Hs.36280	ESTs		52314.89	2.53715117
GF203	813813	AA447726	Hs.14832	Hs.14832	ESTs		52063.66	2.41980306
GF204	1475697	AA872677	Hs.126196	Hs.112193	mutS (E. coli) homolog 5	MSH5	51991.95	
					Homo sapiens cDNA			
					FLJ10505 fis, clone			
GF202	487809	AA045075	Hs.62751	Hs.152335	NT2RP2000503		51855.84	2.39449932

APPENDIX A

GF202	130288	R21226	Hs.91419	Hs.139033	paternally expressed gene 3	PEG3	51807.04	2.20028307
GF203	825240	AA504144	Hs.22315	Hs.22315	ESTs		51786.29	1.92272105
GF203	1469425	AA866160	Hs.43627	Hs.43627	SRY (sex-determining region)			
GF202	260118	N32045	Hs.93752	Hs.93752	YI-box 22	SOX22	51710.98	2.34775115
GF204	1475734	AA872692	Hs.91964	Hs.184297	ESTs		51338.19	2.46623886
GF203	1376828	AA812964	Hs.118640	Hs.118640	KIAA0808 gene product	KIAA0808	51243.14	
					dishevelled 2 (homologous to			
					Drosophila dsh)	DVL2	51165.32	1.87703748
					phosphoinositide-3-kinase,			
					regulatory subunit, polypeptide			
GF203	811779	AA463460	Hs.92095	Hs.6241	1 (p85 alpha)	PIK3R1	51136.7	2.26870041
GF203	824728	AA488979	Hs.25313	Hs.25313	microspherule protein 1	MCRS1	51135.3	2.4545054
GF201	878449	AA670382	Hs.82503	Hs.82503	H.sapiens mRNA for 3'UTR of			
					unknown protein		51118.27	
GF203	713324	AA283046	Hs.57914	Hs.169939	heparan sulfate 2-O-			
GF203	1323704	AA856600	Hs.47313	Hs.47313	sulfotransferase 1	HS2ST1	50934.93	2.00419412
GF204	436456	AA699644	Hs.113096	Hs.113096	KIAA0258 gene product	KIAA0258	50481.07	1.97236135
GF203	868517	AA775033	Hs.3769	Hs.3769	ESTs		50466.38	
GF200	144915	R78516	Hs.8148	Hs.8148	ESTs		50264.33	2.12105738
GF204	1460636	AA868722	Hs.125237	Hs.125237	selenoprotein T	LOC51714	49963.89	1.16416094
GF203	449428	AA777883	Hs.121935	Hs.121935	ESTs		49936.86	
					EST		49919.02	1.72213087
GF204	1584551	AA972350	Hs.76305	Hs.76305	surfactant, pulmonary-			
GF202	1032072	AA609887	Hs.112776	Hs.112776	associated protein B	SFTPB	49903.21	
GF204	745531	AA626249	Hs.116139	Hs.116139	ESTs		49895.17	2.14706033
					ESTs		49800.64	
GF203	397227	AA700997	Hs.118559	Hs.118559	ESTs, Weakly similar to GSG1			
GF203	1160618	AA877618	Hs.24781	Hs.24781	[M.musculus]		49660.96	1.86784377
GF202	365227	AA024898	Hs.103368	Hs.103368	fatty acid amide hydrolase	FAAH	49421.12	2.33243199
GF203	823588	AA497050	Hs.30204	Hs.81170	ESTs		49399.04	2.50278161
GF203	151248	H02328	Hs.116253	Hs.229612	pim-1 oncogene	PIM1	49230.71	2.10781198
					EST		49202.68	2.49038533
					signal transducer and activator			
					of transcription 3 (acute-phase			
GF203	725746	AA399410	Hs.1618	Hs.142258	response factor)	STAT3	49187.62	2.22897417

## APPENDIX A

GF202	1056172	AA620995	Hs.112242	Hs.112242	ESTs	49180.57	2.32511853
GF203	1412238	AA844818	Hs.75733	Hs.278399	amylase, alpha 2A; pancreatic eukaryotic translation initiation factor 4B	49090.05	2.69659394
GF203	648056	AA206865	Hs.104146	Hs.93379	EIF4B Homo sapiens cDNA FLJ11238 fis, clone PLACE1008532	48894.53	2.29648333
GF202	594946	AA172039	Hs.103702	Hs.103702	Homo sapiens mRNA; cDNA DKFZp434A119 (from clone DKFZp434A119)	48874.3	2.15750093
GF203	281625	N51625	Hs.129894	Hs.274292	ESTs	48859.47	2.19455828
GF202	730145	AA412498	Hs.104778	Hs.104778	Homo sapiens mRNA from chromosome 5q21-22, clone:357Ex	48758.05	2.41848449
GF202	752873	AA481425	Hs.26968	Hs.26968	ESTs	48706.06	2.16108795
GF202	365062	AA025061	Hs.61246	Hs.61246	ESTs	48653.38	2.13211816
GF202	897649	AA496801	Hs.81658	Hs.106711	eukaryotic translation initiation factor 4E binding protein 3 ESTs, Weakly similar to BC-2 protein [H.sapiens]	48433.96	2.60493849
GF202	416069	W85875	Hs.42733	Hs.42733	EST	48422.37	2.282344
GF204	489572	AA101840	Hs.103679	Hs.103679	ESTs	48385.94	1.92255713
GF203	703864	AA279015	Hs.88528	Hs.88528	homeo box B5	48318.84	1.86430316
GF203	685182	AA252627	Hs.85818	Hs.22554	ESTs	48272.15	2.01517534
GF203	382649	AA069519	Hs.114856	Hs.250746	adrenomedullin	48206.44	1.99468928
GF203	826300	AA521008	Hs.62206	Hs.394	ESTs	48143.98	2.49709169
GF202	279340	N48673	Hs.26791	Hs.26791	EST	48111.94	2.42565944
GF202	282489	N52043	Hs.47403	Hs.47403	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) adenylate cyclase 7	48070.7	1.15906256
GF200	289337	N92646	Hs.140	Hs.182378	KIAA0792 gene product Homo sapiens clone 23632 mRNA sequence	47879.75	2.74751646
GF202	843206	AA488428	Hs.18171	Hs.172199		47833.3	1.84438941
GF203	770875	AA434402	Hs.119387	Hs.119387		47813.49	2.26326843
GF203	767283	AA418387	Hs.48802	Hs.48802		47723.38	

APPENDIX A

GF203	815683	AA485132	Hs.21289	Hs.194688	bromodomain adjacent to zinc finger domain, 1B	BAZ1B	47473.18	1.87485592
GF204	297908	N68942	Hs.98968	Hs.98968	ESTs		47354.54	
GF204	1470220	AA865960	Hs.127286	Hs.127286	ESTs		47177.92	
GF203	815549	AA456827	Hs.11747	Hs.11747	Homo sapiens cDNA FLJ20391 fis, clone KAIA4640		47061.89	1.833746
GF203	1343468	AA709271	Hs.113596	Hs.177691	neural cell adhesion molecule 2	NCAM2	46979.71	2.04921103
GF203	324620	W47017	Hs.12845	Hs.12845	ESTs, Weakly similar to !!!! ALU SUBFAMILY J			
GF202	248258	N58488	Hs.94100	Hs.94100	WARNING ENTRY !!!! [H.sapiens]		46702.58	2.02144343
GF204	1048775	AA626942	Hs.116186	Hs.116186	EST		46677.43	2.65166492
					ESTs		46504.02	
GF203	824897	AA488901	Hs.6425	Hs.235712	Homo sapiens cDNA FLJ20253 fis, clone		46489.22	2.45693656
GF203	279752	N49079	Hs.24427	Hs.24427	COLF6895		46487.3	2.0185339
GF203	714414	AA293215	Hs.115382	Hs.119251	DKFZP566O1646 protein ubiquinol-cytochrome c	DKFZP566O1646		
GF203	753957	AA479362	Hs.47144	Hs.47144	reductase core protein I	UQCRC1	46271.13	2.0712382
GF203	814760	AA454935	Hs.99566	Hs.180069	DKFZP586N0819 protein	DKFZP586N0819	46074.37	2.03105361
GF202	46565	H09759	Hs.107443	Hs.23107	nuclear respiratory factor 1	NRF1	45948.39	2.3013018
GF203	435075	AA701465	Hs.113760	Hs.42676	ESTs		45946.32	2.44735019
					KIAA0781 protein	KIAA0781	45862.83	1.83400958
GF203	825798	AA505122	Hs.19851	Hs.19851	peroxisomal biogenesis factor 14	PEX14	45630.61	1.9367046
GF202	810943	AA459392	Hs.105042	Hs.12035	ESTs		45554.18	2.57380463
GF203	451169	AA704752	Hs.119845	Hs.119845	ESTs		45449.57	1.72505413
GF204	362973	AA019226	Hs.40086	Hs.221513	ESTs		45438.7	
GF204	1032645	AA779569	Hs.122103	Hs.99969	fusion, derived from t(12;16) malignant liposarcoma	FUS	45438.7	
GF202	287261	N66992	Hs.102764	Hs.184297	KIAA0808 gene product	KIAA0808	45345.86	2.59852802
GF202	796408	AA459945	Hs.72660	Hs.72660	phosphatidylserine receptor	KIAA0585	45314.48	2.24609259

APPENDIX A

GF202	951216	AA620565	Hs.3398	Hs.198274	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10 (22kD, PDSW)	NDUFB10	45166.07	2.12582276
GF202	285238	N63143	Hs.80042	Hs.80042	ESTs, Highly similar to dolichyl-P-Glc:Man9GlcNAc2-PP-dolichyl glucosyltransferase [H.sapiens]		45114.36	2.30304559
GF201	770424	AA430675	Hs.8047	Hs.8047	Fanconi anemia, complementation group G	FANCG	44971.05	
GF202	276441	N40211	Hs.45063	Hs.260816	ESTs, Weakly similar to KIAA0877 protein [H.sapiens]		44856.61	2.87195252
GF202	897981	AA598873	Hs.53656	Hs.53656	ESTs		44771.15	2.57839588
GF204	857093	AA773104	Hs.121752	Hs.4791	KIAA0376 protein	KIAA0376	44701.05	
GF203	814072	AA465342	Hs.34045	Hs.34045	Homo sapiens cDNA			
GF203	280787	N50662	Hs.114421	Hs.237492	FLJ20764 fis, clone COL08503		44613.95	1.69389112
GF204	291772	N74531	Hs.131857	Hs.35135	ESTs		44528.2	2.03026045
GF203	768396	AA495810	Hs.108169	Hs.108169	DKFZP586C1619 protein	DKFZP586C1619	44417.81	
GF202	306302	N90609	Hs.102892	Hs.102892	EST		44406.33	2.55642136
GF201	741852	AA402877	Hs.26956	Hs.159471	Homo sapiens (clone s22i71) mRNA fragment		44362.1	2.74445937
GF200	725503	AA292995	Hs.23454	Hs.180015	D-dopachrome tautomerase	DDT	44353.38	
GF203	416483	W86910	Hs.110402	Hs.171870	ESTs		44305.15	1.14539219
GF202	357985	W94419	Hs.59548	Hs.59548	Homo sapiens mRNA; cDNA DKFZp586H0623 (from clone DKFZp586H0623)		44220.66	1.93338914
GF203	361668	W96187	Hs.124189	Hs.124189	sodium channel, voltage gated, type VIII, alpha polypeptide	SCN8A	44181.34	2.35375591
GF203	684216	AA251146	Hs.57660	Hs.177706	ESTs		44177.91	2.83086118
GF204	1055834	AA628192	Hs.116210	Hs.116210	EST		44157.62	2.28810363
GF202	809863	AA455130	Hs.99394	Hs.99394	ESTs		44032.71	
							43974.33	2.50027249

APPENDIX A

GF203	814482	AA459265	Hs.9851	Hs.9851	ESTs, Moderately similar to neuronal thread protein AD7c-NTP [H.sapiens]	43749.51	1.76777554
					Homo sapiens cDNA FLJ10659 fis, clone NT2RP2006071		
GF201	144808	R77239	Hs.107882	Hs.107882	ESTs	43172.7	
GF202	743481	AA609392	Hs.71428	Hs.71428	ESTs	43074.47	2.09944139
GF204	1505405	AA905925	Hs.86828	Hs.86828	ESTs	43000.41	
GF202	490767	AA133189	Hs.71215	Hs.71215	docking protein 2, 56kD ESTs, Moderately similar to sorting nexin 3 [H.sapiens]	42958.08	1.88206677
GF203	271021	N34358	Hs.131852	Hs.5076	Homo sapiens clone 24703 beta-tubulin mRNA, complete cds	42956.96	2.44121975
GF201	773479	AA427899	Hs.27727	Hs.179661	ESTs, Weakly similar to unknown [M.musculus]	42914.46	
GF203	471835	AA035137	Hs.61790	Hs.61790	ESTs	42727.14	1.88459241
GF204	1469379	AA863470	Hs.42997	Hs.42997	Human L2-9 transcript of unrearranged immunoglobulin V(H)5 pseudogene	42694.75	
GF203	825648	AA505045	Hs.81221	Hs.81221	erythrocyte membrane protein band 4.1-like 2	42620.09	2.04041614
GF202	785967	AA449738	Hs.7857	Hs.7857	ESTs	42565.8	2.05321769
GF203	280622	N50419	Hs.62314	Hs.62314	GRN	42481.96	1.99436271
GF203	755762	AA496452	Hs.75451	Hs.180577	ESTs	42367.77	2.15281743
GF201	358567	W96205	Hs.103268	Hs.163703	EST	42356.46	
GF202	1049282	AA620746	Hs.112895	Hs.112895	cardiac ankyrin repeat protein F-box protein Fbx9	42235.72	2.63100906
GF200	840683	AA488072	Hs.105679	Hs.74019	ESTs	42223.47	1.16167386
GF202	1031951	AA609770	Hs.112764	Hs.11050	phosphoinositide-3-kinase, catalytic, delta polypeptide	42200.6	2.25777483
GF202	772408	AA405532	Hs.82262	Hs.217413	ESTs	42147.7	2.56296949
GF203	712401	AA281784	Hs.14207	Hs.162808	PIK3CD	42112.2	2.77023876
GF202	730147	AA412499	Hs.104779	Hs.104779	ESTs	42077.38	2.50430708
GF203	683481	AA215414	Hs.86663	Hs.86663	ESTs	42064.63	2.14271259
GF202	341095	W58209	Hs.103118	Hs.103118	ESTs	42033.01	2.04537159
GF204	469415	AA026927	Hs.55962	Hs.55962	ESTs	41973.3	

## APPENDIX A

GF202	51951	H24317	Hs.6526	Hs.6526	ESTs chitinase 3-like 1 (cartilage glycoprotein-39)	41861.45	2.47921376
GF200	770212	AA434115	Hs.75184	Hs.75184	CHI3L1	41831.81	1.17616804
GF201	427980	AA001835	Hs.103278	Hs.150390	zinc finger protein 262	41714.48	
GF203	1476065	AA873060	Hs.81915	Hs.81915	leukemia-associated phosphoprotein p18 (stathmin)	41710.75	2.43935425
GF202	729962	AA416889	Hs.98163	Hs.98163	ESTs	41599.24	2.53883016
GF201	743229	AA400329	Hs.71346	Hs.71346	neurofilament 3 (150kD medium)	41598.96	
					Homo sapiens mRNA; cDNA DKFZp434F053 (from clone DKFZp434F053)		
GF201	502674	AA135886	Hs.46848	Hs.46848	ESTs	41529.63	1.85353965
GF203	452045	AA707117	Hs.119991	Hs.119991	ESTs	41369.93	1.74536201
GF203	430763	AA677984	Hs.6522	Hs.6522	ESTs	41309.42	2.00460017
GF202	376771	AA046829	Hs.62798	Hs.62798	ESTs	41240.91	
					Homo sapiens mRNA; cDNA DKFZp586F0219 (from clone DKFZp586F0219)		
GF202	898054	AA598949	Hs.28785	Hs.28785	ESTs	41221.38	2.50383307
GF203	665830	AA193381	Hs.104090	Hs.174174	KIAA0601 protein	41194.35	2.60107953
GF202	358872	W94620	Hs.59558	Hs.59558	ESTs	41187.62	2.08031206
					3-hydroxyisobutaryl-Coenzyme A hydrolase		
GF202	377205	AA055335	Hs.63174	Hs.236642	HIBCH	41127.79	2.16096281
					RAB, member of RAS oncogene family-like 2B		
GF204	1641211	AI015265	Hs.130968	Hs.145409	RABL2B	41039.54	2.74025662
GF202	490360	AA122049	Hs.110199	Hs.110199	hypothetical protein	40953.56	1.13579938
GF200	488413	AA046690	Hs.43704	Hs.149436	kinesin family member 5B	40925.43	2.20381301
GF203	738912	AA421718	Hs.104842	Hs.104842	ESTs	40900.18	1.97848878
GF202	1031595	AA609483	Hs.112715	Hs.112715	EST	40774.24	
GF204	1588973	AA975680	Hs.8016	Hs.8016	ESTs	40440.86	
					nuclear localization signal deleted in velocardiofacial syndrome		
GF204	878525	AA775857	Hs.19500	Hs.19500	NLVCF	40334.47	
					ESTs, Weakly similar to salivary proline-rich protein [R.norvegicus]		
GF203	813807	AA447724	Hs.97176	Hs.97176		40310.69	2.52258949

102020" 36226860

## APPENDIX A

GF200	230218	H94857	Hs.94672	Hs.94672	GCN5 (general control of amino-acid synthesis, yeast, homolog)-like 1	GCN5L1	40242.06	1.15930194
GF203	272097	N35397	Hs.16041	Hs.73931	major histocompatibility complex, class II, DQ beta 1	HLA-DQB1	40220.19	1.77441049
GF203	897252	AA677640	Hs.100350	Hs.243960	KIAA1248 protein	KIAA1248	40158.78	1.98598002
GF202	773185	AA425694	Hs.61484	Hs.61484	ESTs		40091.26	2.05303095
GF203	681910	AA256174	Hs.112529	Hs.112529	ESTs		40073.66	2.38721968
GF203	771303	AA443638	Hs.63236	Hs.63236	synuclein, gamma (breast cancer-specific protein 1)	SNCG	40040.24	1.42556412
GF204	1034472	AA779718	Hs.116793	Hs.167135	Homo sapiens cDNA FLJ10728 fis, clone NT2RP3001236		39969.38	
GF204	745544	AA626256	Hs.116141	Hs.116141	ESTs		39951.38	
GF202	743531	AA609430	Hs.56732	Hs.173688	ESTs		39935.71	2.32707886
GF203	853985	AA669536	Hs.7473	Hs.7473	ESTs		39882.63	2.2901204
GF200	840658	AA486332	Hs.19555	Hs.19555	Human clone 23867 mRNA sequence		39851.87	1.21367487
GF200	135527	R32802	Hs.10761	Hs.238030	secretory carrier membrane protein 2	SCAMP2	39848.58	1.08354365
GF204	1469211	AA62814	Hs.127790	Hs.127790	ESTs		39803.94	
GF204	1466883	AA884317	Hs.97130	Hs.97130	ESTs		39774.89	
GF201	281243	N51002	Hs.47170	Hs.30881	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	PPFIA2	39769.86	
GF204	744005	AA629040	Hs.116296	Hs.116296	EST		39690.13	
GF204	1032044	AA610028	Hs.97418	Hs.97418	ESTs		39572.99	
GF200	704760	AA282642	Hs.78881	Hs.78881	MADS box transcription enhancer factor 2, polypeptide			
GF202	344505	W73523	Hs.58314	Hs.58314	B (myocyte enhancer factor 2B)	MEF2B	39569.42	1.14321696
					ESTs		39563.55	1.94420686



APPENDIX A

Homo sapiens cDNA									
GF202	743426	AA609348	Hs.22975	Hs.22975				39463.62	2.11825556
GF203	845604	AA644335	Hs.58394	Hs.58394				39377.96	1.96747453
serine protease inhibitor, Kazal type, 2 (acrosin-trypsin inhibitor)									
GF203	744940	AA625888	Hs.98243	Hs.98243			SPINK2	39371.86	2.89316499
Wolf-Hirschhorn syndrome candidate 1									
GF203	343919	W69960	Hs.19416	Hs.110457			WHSC1	39346.71	1.74907499
GF204	1470111	AA865912	Hs.127073	Hs.127073				39276.13	
GF204	450424	AA682785	Hs.114708	Hs.191396				39252.2	
G protein-coupled receptor 30									
GF203	1367900	AA810225	Hs.113207	Hs.113207			GPR30	39244.25	2.20316741
GF202	665373	AA195036	Hs.59545	Hs.59545			RNF15	39180.78	2.21733026
GF202	1031942	AA609760	Hs.112761	Hs.112761				39112.79	2.40430728
GF202	743058	AA406083	Hs.98007	Hs.98007				38983.86	1.98230493
protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform									
GF203	814989	AA465723	Hs.17883	Hs.17883			PPM1G	38790.02	2.06301253
solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen) member 16									
GF200	754490	AA411554	Hs.119564	Hs.180408			SLC25A16	38754.3	1.1862723
solute carrier family 25 (mitochondrial carrier; Graves disease autoantigen) member 16									
GF200	754490	AA411554	Hs.18203	Hs.180408			SLC25A16	38754.3	1.1862723
GF202	731047	AA421282	Hs.104830	Hs.104830			ESTs	38637.43	2.37000706
GF202	730942	AA417373	Hs.15898	Hs.15898			ESTs	38618.29	2.52451922
GF203	289016	N62729	Hs.16064	Hs.16064			ESTs	38475.16	1.88009744
GF202	744395	AA621202	Hs.37585	Hs.7946			DKFZP586D1519 protein	38407.76	2.26031443
GF203	449384	AA777435	Hs.121921	Hs.121921			EST	38344.91	1.96527636
GF202	321693	W33134	Hs.112347	Hs.112347			ESTs	38260.04	2.88137426
GF201	359539	AA015607	Hs.11270	Hs.11270			ESTs	38233.7	

T.02040" 86226860

## APPENDIX A

GF203	770043	AA427570	Hs.7744	Hs.7744	NADH dehydrogenase (ubiquinone) flavoprotein 1 (51kD)	NDUFV1	38229.45	1.96210058
GF201	795525	AA454228	Hs.48119	Hs.106778	Homo sapiens mRNA for KIAA1347 protein, partial cds		38175.17	
GF204	290642	N71709	Hs.42785	Hs.42785	ESTs, Weakly similar to F25H9.7 [C.elegans]		38169.93	
GF203	825726	AA504838	Hs.111749	Hs.111749	postmeiotic segregation increased (S. cerevisiae) 1	PMS1	38106.51	2.5616315
GF203	740780	AA477283	Hs.57771	Hs.57771	kalikrein 11	KLK11	38085.89	1.545054
GF202	320379	W04649	Hs.55304	Hs.55304	ESTs		38029.77	2.37215486
GF201	266094	N21546	Hs.91175	Hs.91175	Human DNA topoisomerase III mRNA, complete cds		38008.88	
GF202	277999	N63452	Hs.48790	Hs.48790	ESTs		37948.34	1.93323747
GF204	590398	AA147980	Hs.41007	Hs.41007	HSPC158 protein	HSPC158	37900.92	
GF202	594724	AA172048	Hs.8170	Hs.8170	hypothetical protein	YR-29	37819.28	2.33882863
GF202	27396	R40191	Hs.6321	Hs.6321	ESTs		37797.28	2.40356771
GF202	796663	AA461486	Hs.47012	Hs.13144	ESTs, Weakly similar to ORF YGR038w [S.cerevisiae]		37656.11	2.23247929
GF200	194949	R91078	Hs.118475	Hs.172323	cytochrome P450, subfamily IIIA, polypeptide 7	CYP3A7	37633.05	1.20360149
GF204	344158	W69997	Hs.125843	Hs.125843	ESTs		37626.97	
GF204	240989	H90912	Hs.106489	Hs.241507	ribosomal protein S6 eukaryotic translation initiation	RPS6	37488.24	
GF202	489109	AA056484	Hs.103493	Hs.93379	factor 4B	EIF4B	37396.84	2.0793113
GF204	447256	AA700967	Hs.117117	Hs.117117	ESTs		37375.82	
GF202	811907	AA454654	Hs.24956	Hs.24956	ESTs, Weakly similar to SH3 domain-binding protein SNP70 [H.sapiens]		37366.04	2.79047492
GF203	824354	AA489679	Hs.102548	Hs.102548	glucocorticoid receptor DNA binding factor 1	GRLF1	37319.13	1.64737533
GF202	611239	AA176483	Hs.5331	Hs.5331	ESTs		37273.39	2.45481868

## APPENDIX A

GF201	290735	N67634	Hs.44720	Hs.44720	Homo sapiens DNA sequence from P1 p373c6 on chromosome 6p21.31-21.33. Contains zinc finger proteins, pseudogenes, ESTs and STS	37238.66	
GF203	450155	AA703460	Hs.120972	Hs.176663	Fc fragment of IgG, low affinity IIIa, receptor for (CD16) ESTs, Moderately similar to zinc finger protein ZNF49 [H.sapiens] ESTs ESTs, Moderately similar to !!! ALU SUBFAMILY J WARNING ENTRY !!!!	37218.42	1.75801099
GF204	435547	AA701913	Hs.114077	Hs.248447	[H.sapiens] ESTs	37163.1	2.84596211
GF203	788507	AA452572	Hs.43866	Hs.43866		37018.3	
GF203	267778	N25598	Hs.38805	Hs.187908	[H.sapiens] ESTs EST EST tumor suppressing subtransferable candidate 4 TSSC4	36927.36	1.98838598
GF202	743290	AA401488	Hs.104705	Hs.104705		36887.16	2.17110623
GF202	744367	AA621192	Hs.112949	Hs.112949		36798.02	1.91795106
GF203	449196	AA777604	Hs.121952	Hs.121952		36713.65	1.69944441
GF203	432075	AA679286	Hs.26816	Hs.165743		36695.12	1.84631253
GF202	841633	AA487483	Hs.38969	Hs.178576	Human DNA sequence from clone 633O20 on chromosome 20q11.23-12 Contains 5' end of a gene similar to Bos taurus P14 protein, ESTs, CA repeat(D20S859), STSs and GSSs YDD19 protein membrane interacting protein of RGS16 thyroid hormone receptor interactor 12	36680.97	2.21645116
GF201	501849	AA127923	Hs.47681	Hs.25615		36634.54	
GF202	626861	AA191356	Hs.28753	Hs.107014		36615.81	1.98414454
GF202	460515	AA700390	Hs.83218	Hs.138617		36563.73	2.69241138

APPENDIX A

GF202	322643	W15319	Hs.55337	Hs.8185	ESTs, Highly similar to CGI-44 protein [H.sapiens]	36523.25	2.32742978
GF202	322033	W37833	Hs.55563	Hs.55563	ESTs	36488.87	2.08667489
GF203	814562	AA480876	Hs.109428	Hs.109428	TATA-binding protein-binding protein	36272.11	1.98727821
GF200	741815	AA402960	Hs.34606	Hs.216354	ring finger protein 5	36242.59	1.20836204
GF201	282356	N49763	Hs.107189	Hs.236044	ESTs	36130.87	
GF204	23443	R38678	Hs.12365	Hs.12365	Homo sapiens mRNA for KIAA1427 protein, partial cds	36070.9	
GF202	323938	AA284181	Hs.89310	Hs.89310	ESTs	35961.04	2.09175294
GF203	884540	AA629796	Hs.5076	Hs.5076	ESTs, Moderately similar to sorting nexin 3 [H.sapiens]	35900.42	1.7056456
GF202	1031548	AA609282	Hs.112678	Hs.112678	EST	35868.63	1.86702447
GF202	257730	N27303	Hs.43914	Hs.43914	ESTs	35833.22	2.12807509
GF204	1293009	AA683346	Hs.117202	Hs.117202	ESTs	35811.08	
GF204	744896	AA625774	Hs.116076	Hs.116076	ESTs	35807.62	
GF203	753993	AA478962	Hs.19530	Hs.169943	ESTs	35801.38	2.60288393
GF203	754280	AA479284	Hs.119491	Hs.33905	ESTs	35769.87	2.46383761
GF203	288959	N59808	Hs.26339	Hs.26339	ESTs	35664.29	1.90974514
GF202	279397	N48707	Hs.46524	Hs.46524	ESTs	35573.77	2.00830278
GF203	827197	AA521316	Hs.52166	Hs.52166	apoptosis-related protein PNAS-1	35569.77	2.22962042
GF203	431955	AA678388	Hs.58609	Hs.58609	ESTs	35541.99	1.66245417
GF203	284175	N53520	Hs.30135	Hs.30135	ESTs	35522.42	2.05979791
GF204	845375	AA644097	Hs.77876	Hs.77876	Human DNA from chromosome 19-specific cosmid R30923, genomic sequence	35447.31	
GF203	290505	N67991	Hs.30487	Hs.30487	ESTs	35418.41	1.7006223
GF202	813408	AA458645	Hs.119674	Hs.6314	type I transmembrane receptor (seizure-related protein)	35365.12	2.03703163
GF202	26203	R20650	Hs.106056	Hs.21379	ESTs	35340.59	2.29166197
GF202	305485	N89814	Hs.54539	Hs.54539	ESTs	35300.09	2.10669519
GF201	366353	AA026278	Hs.90222	Hs.134200	DKFZP564C186 protein	35287.54	
GF204	234325	H95248	Hs.114307	Hs.183874	cullin 4A	35218.28	

## APPENDIX A

GF204	292071	N73307	Hs.42182	Hs.30213	ceroid-lipofuscinosis, neuronal 5	CLN5	35192.66
GF204	460877	AA704169	Hs.117172	Hs.117172		ESTs	35179.86
GF202	490723	AA101811	Hs.69506	Hs.69506		ESTs	35130.29
GF200	363086	AA019482	Hs.75690	Hs.153998	creatine kinase, mitochondrial 1 (ubiquitous) KIAA0671 gene product	CKMT1	35087.11
GF201	730677	AA411771	Hs.7034	Hs.169836		KIAA0671	35079.88
GF202	276413	N40195	Hs.45056	Hs.45056		EST	35070.36
GF203	395436	AA757427	Hs.44053	Hs.270956	chromosome 4 open reading frame 1	C4ORF1	35064.18
GF201	504982	AA151210	Hs.42397	Hs.42397		ESTs	35047.95
GF202	73960	T55189	Hs.9801	Hs.9801		ESTs	35016.36
GF203	449508	AA777930	Hs.121995	Hs.121995	EST	34907.02	
GF200	320903	W44701	Hs.1726	Hs.172689	interleukin 3 receptor, alpha (low affinity)	IL3RA	34875.04
GF203	1375309	AA815407	Hs.89631	Hs.89631	ryanodine receptor 1 (skeletal)	RYR1	34845.76
GF204	1593658	AI002566	Hs.130857	Hs.81234	immunoglobulin superfamily, member 3	IGSF3	34649.67
GF202	730838	AA417012	Hs.98176	Hs.28921		ESTs	34640.64
GF203	685516	AA291259	Hs.97101	Hs.97101		putative G protein-coupled receptor	GPCR150
GF203	686594	AA255900	Hs.88110	Hs.184523	KIAA0965 protein	KIAA0965	34572.52
GF202	587595	AA132964	Hs.110915	Hs.110915	ESTs		34514.49
GF200	781222	AA446222	Hs.75822	Hs.75822	TGFB1-induced anti-apoptotic factor 1	TIAF1	34423.93
GF202	564756	AA136500	Hs.112013	Hs.220689	Ras-GTPase-activating protein		
GF202	286661	N67891	Hs.90250	Hs.90250	SH3-domain-binding protein	G3BP	34316.02
GF203	281922	N48169	Hs.46829	Hs.46829	ESTs		34249.86
					ESTs		34193.78
					ESTs, Highly similar to LENS FIBER MEMBRANE		
					INTRINSIC PROTEIN		
GF202	1055217	AA621457	Hs.112989	Hs.162754	[H.sapiens]		34183.82
							2.65879902

APPENDIX A

GF204	280581	N47341	Hs.82491	Hs.119523	transformer-2 alpha (htra-2 alpha)	HSU53209	34167.82
GF202	429390	AA007591	Hs.110227	Hs.13138	ESTs, Weakly similar to hypothetical protein		2.50617555
GF203	450776	AA704602	Hs.119834	Hs.119834	[H.sapiens]		1.60390642
GF202	359901	AA035770	Hs.103426	Hs.103426	ESTs		2.37900533
GF203	362985	AA019062	Hs.60740	Hs.60740	EST		2.29415986
GF204	1049042	AA778680	Hs.112642	Hs.112642	ESTs		33838.91
GF202	126455	R06712	Hs.77690	Hs.77690	RAB5B, member RAS oncogene family	RAB5B	33758.2
GF202	950709	AA608583	Hs.2112	Hs.182255	non-histone chromosome protein 2 (S. cerevisiae)-like 1	NHP2L1	2.93280693
GF203	814945	AA465530	Hs.107747	Hs.107747	DKFZP566C243 protein	DKFZP566C243	1.83613098
GF203	432212	AA679423	Hs.117163	Hs.117163	ESTs		2.18851675
GF202	502585	AA156821	Hs.21094	Hs.21094	RAB18 small GTPase	RAB18	2.67446383
GF202	281756	N48078	Hs.46814	Hs.46814	ESTs		2.29214182
GF203	344194	W69743	Hs.58049	Hs.58049	ESTs		1.87136427
GF203	745030	AA626022	Hs.27302	Hs.182384	ESTs		1.57197589
GF200	135454	R32754	Hs.24553	Hs.24553	ESTs		1.20063498
GF202	788253	AA454096	Hs.76719	Hs.76719	U6 snRNA-associated Sm-like protein	LSM4	2.8599853
GF201	810809	AA458882	Hs.4832	Hs.4832	ESTs, Moderately similar to Lasp-1 protein [H.sapiens]		33155.62
GF203	824052	AA491208	Hs.62620	Hs.62620	chromosome 6 open reading frame 1	C6ORF1	1.62865795
GF204	1499830	AA879119	Hs.18618	Hs.18618	ESTs		33031.39
GF202	729931	AA412185	Hs.97706	Hs.191580	ESTs		33020.38
GF202	781020	AA446019	Hs.104967	Hs.104967	ESTs		32979.48
GF202	1049214	AA620707	Hs.112881	Hs.112881	ESTs		32970.95
GF204	462681	AA705129	Hs.120961	Hs.271762	ESTs		32910.91
GF201	501859	AA129896	Hs.42323	Hs.137732	KIAA1098 protein	KIAA1098	32874.05
GF202	268812	N25987	Hs.11360	Hs.11360	ESTs		32864.36
GF203	745083	AA626356	Hs.38260	Hs.38260	ubiquitin specific protease 18	USP18	32828.88
							32764.94
							2.1555786
							1.64264642

APPENDIX A

GF203	1412502	AA845167	Hs.119091	Hs.181289	elastase 3, pancreatic (protease E) ESTs, Weakly similar to Weak similarity with Haemophilus Influenzae protein HI0701 [C.elegans] WD repeat domain 1 transforming acidic coiled-coil containing protein 3 Homo sapiens cDNA FLJ10569 fis, clone NT2RP2003108 ESTs Homo sapiens cDNA FLJ10422 fis, clone NT2RP1000243 ESTs EST pyruvate dehydrogenase kinase, isoenzyme 3 collagen, type V, alpha 2 ESTs YDD19 protein Fanconi anemia, complementation group A	ELA3	32716.89	2.61224875
GF203	257452	N30256	Hs.125831	Hs.156971	Contains up to two novel genes, an ST13 (suppression of tumorigenicity 13 (colon carcinoma) (Hsp70-interacting protein) (HIP)) pseudogene, a ribonuclease H type 2 pseudogene, ESTs, STSs, GS	WDR1	32706.83	2.11510015
GF203	714196	AA293182	Hs.85100	Hs.85100			32595.19	-1.3068592
GF203	705064	AA279990	Hs.104019	Hs.104019			32561.61	2.03036733
GF203	665144	AA195648	Hs.5105	Hs.5105	Human DNA sequence from clone RP4-667H12 on chromosome 1q32.1-41.	TACCC3	32511.11	2.89175557
GF204	491770	AA150505	Hs.8135	Hs.8135			32506.07	
GF203	746072	AA482031	Hs.20223	Hs.267905			32453.93	2.00689249
GF204	1461168	AA88042	Hs.25427	Hs.25427	PDK3 COL5A2		32441.75	
GF202	251937	H97496	Hs.42385	Hs.42385			32440.63	2.60420543
GF201	278242	N63567	Hs.54148	Hs.193124			32433.85	
GF203	814349	AA458837	Hs.11576	Hs.82985	YDD19		32413.12	1.83890142
GF202	796129	AA460977	Hs.91567	Hs.91567			32377.79	2.6848993
GF201	795598	AA459697	Hs.21085	Hs.25615			32313.72	
GF203	135609	R32897	Hs.121707	Hs.86297	FANCA		32291.4	2.81574781
GF202	950594	AA608531	Hs.111812	Hs.170313			32227.53	2.39704612

## APPENDIX A

GF203	281442	N47902	Hs.44577	Hs.44577	ESTs	32193.74	2.32865101
GF204	391974	A1003621	Hs.130341	Hs.130341	EST	32020.41	
GF202	811927	AA454668	Hs.88474	Hs.88474	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) PTGS1	31961.19	2.23398828
GF203	130103	R21423	Hs.117418	Hs.23193	ESTs	31947.94	1.96712746
GF202	1048724	AA620632	Hs.112874	Hs.112874	EST	31907.9	2.06935755
GF200	810899	AA459292	Hs.77550	Hs.77550	CDC28 protein kinase 1	31907.49	1.13582831
GF202	624414	AA181207	Hs.49414	Hs.249989	ESTs	31837.88	1.91917123
GF203	435738	AA700773	Hs.106273	Hs.250175	Homo sapiens clone 23904 mRNA sequence	31822.61	2.04262785
GF203	130031	R19408	Hs.14787	Hs.250824	ESTs	31733.18	1.75791119
GF203	731257	AA416685	Hs.11232	Hs.155001	UNC13 (C. elegans)-like	31641.55	1.87671912
GF204	1631682	AA994801	Hs.33251	Hs.33251	peptidylprolyl isomerase E (cyclophilin E)		
					PPIE	31548.48	
GF204	897199	AA677499	Hs.109840	Hs.198273	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8 (19kD, ASH1)	31505.8	
GF203	815563	AA456833	Hs.6550	Hs.1098	DKFZp434J1813 protein	31451.66	2.17724617
GF200	137254	R37519	Hs.28823	Hs.17778	neuropilin 2	31430.7	1.14708177
GF204	462939	AA682419	Hs.117252	Hs.191915	ESTs	31429.46	
GF203	897153	AA676961	Hs.14376	Hs.14376	actin, gamma 1	31389.47	1.78024771
GF200	809639	AA443000	Hs.2175	Hs.2175	colony stimulating factor 3 receptor (granulocyte)	31265.74	1.09374424
GF202	950774	AA608634	Hs.42673	Hs.42673	ESTs	31152.68	2.73482955
					Homo sapiens mRNA; cDNA		
GF202	950897	AA608718	Hs.26860	Hs.26860	DKFZp586G1922 (from clone)	31131.1	2.57206389
GF202	809722	AA455483	Hs.98060	Hs.208985	DKFZp586G1922)	31122.67	1.89805594
GF203	827163	AA521297	Hs.4770	Hs.4770	ESTs	31075.01	2.023029
					KIAA1068 protein		
					KIAA1068		
					Homo sapiens clone 1400		
					unknown protein mRNA,		
GF203	686552	AA255954	Hs.6831	Hs.6831	partial cds	31066.42	2.34579119
GF202	321310	W32192	Hs.55504	Hs.230622	EST	31017.22	2.29444037
GF202	839382	AA490088	Hs.88417	Hs.88417	ESTs	30957.92	1.33671507



APPENDIX A

GF202	285260	N63150	Hs.48723	Hs.94042	Homo sapiens mRNA for KIAA1343 protein, partial cds	30937.23	2.5758185
GF203	815189	AA481164	Hs.86522	Hs.178379	ESTs	30909.21	1.98446798
GF201	740907	AA478273	Hs.73722	Hs.73722	APEX nuclease (multifunctional DNA repair enzyme)	30789.37	
GF203	814211	AA465223	Hs.75709	Hs.75709	mannose-6-phosphate receptor (cation dependent)	30709.31	1.98403626
GF201	740672	AA477428	Hs.14839	Hs.14839	polymerase (RNA) II (DNA directed) polypeptide G	30675.91	
GF204	1585904	AA974222	Hs.108797	Hs.107381	Homo sapiens cDNA FLJ11200 fis, clone PLACE1007725	30670.39	
GF203	490753	AA133166	Hs.6693	Hs.6693	Homo sapiens cDNA FLJ20420 fis, clone KAT02462	30581.09	1.88718516
GF203	257372	N27165	Hs.15535	Hs.15535	Homo sapiens clone 24582 mRNA sequence	30478.12	1.50800186
GF200	826173	AA521431	Hs.75721	Hs.75721	profilin 1	30435.2	1.03782398
GF203	701120	AA287325	Hs.14713	Hs.14713	ESTs	30421.95	1.8843042
GF203	280508	N47309	Hs.114409	Hs.46700	inhibitor of growth family, member 1	30407.18	2.01565943
GF202	261745	H99152	Hs.57079	Hs.57079	ESTs	30344	2.05756071
GF201	810911	AA459296	Hs.105039	Hs.105039	solute carrier family 34 (sodium phosphate), member 2	30308.9	
GF203	825654	AA505051	Hs.86693	Hs.86693	ESTs	30300.24	1.65879875
GF202	1031992	AA609991	Hs.112673	Hs.188213	ESTs	30251.89	1.75869636
GF201	853906	AA644657	Hs.119732	Hs.181244	major histocompatibility complex, class I, A	30246.19	
GF201	878406	AA670347	Hs.109674	Hs.181246	glucosidase, beta; acid (includes glucosylceramidase)	30210.14	
GF204	878174	AA775443	Hs.6281	Hs.184641	delta-6 fatty acid desaturase	30184.69	
GF202	1031545	AA609292	Hs.112681	Hs.112681	ESTs	30168.65	2.02999541
GF202	768260	AA424950	Hs.96055	Hs.96055	E2F transcription factor 1	30167.26	1.87148197
					E2F		

APPENDIX A

GF202	280633	N50432	Hs.102648	Hs.102648	ESTs	30151.62	2.36710016
GF202	364362	AA022541	Hs.61146	Hs.165205	ESTs	30125.64	1.74168964
GF200	810040	AA455272	Hs.23119	Hs.23119	ITBA1 gene	30111.28	1.26026612
GF201	310832	W19228	Hs.107750	Hs.100748	ESTs	30087.04	
					ESTs, Weakly similar to !!!!		
GF202	588561	AA147044	Hs.103861	Hs.103861	ALU CLASS C WARNING	30068.39	2.86501844
					ENTRY !!!! [H.sapiens]		
					Homo sapiens partial mRNA for G5b protein (G5b gene located in the class III region of the major histocompatibility complex)		
GF200	141675	R69566	Hs.73527	Hs.73527	tetracycline transporter-like protein	30046.16	-1.0355255
GF203	725340	AA291773	Hs.75146	Hs.157145	TETTRAN	30001.21	1.73372703
GF204	1049109	AA778739	Hs.122062	Hs.150655	ESTs	29954.19	
GF204	1055410	AA626038	Hs.116121	Hs.116121	EST	29904.46	
					protein tyrosine phosphatase type IVA, member 3	29883.57	
GF201	375827	AA039851	Hs.43666	Hs.43666	PTP4A3		
GF202	773446	AA426049	Hs.17481	Hs.17481	Homo sapiens clone 24606 mRNA sequence	29797.57	2.35376478
GF202	376735	AA046311	Hs.62929	Hs.62929	ESTs	29752.73	1.41075293
					solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12		
GF200	282501	N49856	Hs.82535	Hs.82535	SLC6A12	29729.03	1.210203
					glutamyl-prolyl-tRNA synthetase	29727.05	1.11432735
GF200	949914	AA599158	Hs.55921	Hs.55921	major histocompatibility complex, class II, DQ beta 1		
GF200	809598	AA458472	Hs.115756	Hs.73931	HLA-DQB1	29708.92	1.1316772
GF204	884455	AA629712	Hs.116741	Hs.31731	antioxidant enzyme B166	29701.95	
					chromosome 3p21.1 gene sequence		
GF203	813965	AA455632	Hs.84162	Hs.84162	HUMAGCGB	29697.43	2.34598815
					UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAc-T1)		
GF203	280544	N51653	Hs.117464	Hs.80120	GALNT1	29634.04	1.9555911
GF203	154610	R54969	Hs.111429	Hs.26209	ESTs	29564.06	2.17568319

## APPENDIX A

GF203	814830	AA465650	Hs.87306	Hs.87306	ESTs Homo sapiens cDNA FLJ20027 fis, clone ADSE01901 EST Homo sapiens cDNA FLJ20357 fis, clone HEP16545 Homo sapiens cDNA FLJ11123 fis, clone PLACE1006167 hypothetical protein	29534.59	1.98289856
GF203	432115	AA679314	Hs.117161	Hs.7960	HSPC207	29477.55	1.94485085
GF203	683122	AA214530	Hs.104176	Hs.104176		29448.14	2.40745283
GF203	435303	AA699914	Hs.105461	Hs.105461		29437.02	1.97219024
GF201	428507	AA004525	Hs.103279	Hs.152894		29406.43	
GF203	263342	H99997	Hs.107603	Hs.75798		29404.75	2.12044795
GF202	823870	AA490461	Hs.29664	Hs.29664	Human DNA sequence from clone 682J15 on chromosome 6p11.2-12.3. Contains the 3' part of a novel Collagen triple helix repeat containing protein, ESTs, STSs, GSSs, genomic marker D6S257 and a ca repeat polymorphism v-rel avian reticuloendotheliosis viral oncogene homolog B (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3) ESTs, Weakly similar to double-stranded RNA-specific editase [H.sapiens] Homo sapiens cDNA FLJ20205 fis, clone COLF1506 Homo sapiens mRNA; cDNA DKFP434E1822 (from clone DKFP434E1822); partial cds	29396.22	1.77459182
GF203	687054	AA258001	Hs.858	Hs.858	RELB	29293.67	2.04226762
GF204	1292086	AA707541	Hs.121019	Hs.121019		29210.68	
GF204	1048781	AA621329	Hs.112831	Hs.272788		29186.14	
GF203	704046	AA279168	Hs.17379	Hs.17379		29145.69	2.33831603

APPENDIX A

GF204	1292053	AA707531	Hs.23711	Hs.252723	Homo sapiens mRNA; cDNA DKFZp434D115 (from clone DKFZp434D115)	29090.4	
GF200	712049	AA281635	Hs.66576	Hs.66576	suppression of tumorigenicity 16 (melanoma differentiation) butyrobetaine (gamma), 2- oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase)	29058.08	1.1650284
GF202	812074	AA455988	Hs.9667	Hs.9667	mucosa associated lymphoid tissue lymphoma translocation gene 1	29044.65	2.4347407
GF204	1422794	AA827405	Hs.22170	Hs.180566	ESTs, Weakly similar to microtubule-vesicle linker CLIP-170 [H.sapiens] ESTs	28935.21	
GF201	795437	AA453618	Hs.98640	Hs.98640	cytochrome c oxidase subunit Vlc	28900.96	1.9043295
GF204	825608	AA504626	Hs.105735	Hs.105735	EST	28853.46	2.3514444
GF203	278531	N66158	Hs.82758	Hs.74649	short stature homeobox 2	28818.98	1.91538708
GF202	780938	AA429804	Hs.98630	Hs.229675	eukaryotic translation elongation factor 1 alpha 1	28816.76	
GF203	773322	AA425419	Hs.55967	Hs.55967	ESTs, Weakly similar to !!! ALU SUBFAMILY SQ	28806.78	
GF203	271398	N34764	Hs.4263	Hs.181165	WARNING ENTRY !!! [H.sapiens] quinolinate	28771.31	2.17750052
GF200	139199	R68464	Hs.7107	Hs.7107	phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating))	28767.64	1.11080611
GF203	263894	H99843	Hs.8935	Hs.8935	thiopurine S-methyltransferase glucosidase I	28703.46	1.71404054
GF203	296429	N74617	Hs.118689	Hs.202669		28646.96	1.73026712
GF201	724893	AA291490	Hs.83919	Hs.83919		28641	

## APPENDIX A

GF203	744945	AA625900	Hs.7728	Hs.1584	cartilage oligomeric matrix protein (pseudoachondroplasia, epiphyseal dysplasia 1, multiple) ESTs KIAA0365 gene product ESTs ESTs Human DNA sequence from clone 742C19 on chromosome 22q12.3-13.1. Contains a pseudogene similar to Cytochrome C Oxidase Polypeptide VB and (parts of) up to four novel genes, two with homology to Phorbolin genes and one a novel Chromobox protein gene.	COMP KIAA0365	28604.53	1.7905103
GF202	781145	AA446188	Hs.16614	Hs.16614			28582.48	2.16779064
GF200	811029	AA485539	Hs.84123	Hs.190452			28536.5	1.21672101
GF201	346281	W74123	Hs.58352	Hs.134314			28521.95	
GF204	757170	AA496113	Hs.115677	Hs.187717			28486.94	
GF203	814815	AA455261	Hs.7442	Hs.7442	mature T-cell proliferation 1 ESTs ESTs EST serine/threonine kinase 19 ESTs ESTs DKFZP566K1924 protein ESTs ESTs ESTs YDD19 protein	MTCP1	28384.87	2.18692791
GF202	279690	N48325	Hs.93956	Hs.93956			28358.21	2.15931858
GF200	470175	AA029842	Hs.3548	Hs.3548			28353.83	1.31700973
GF202	490075	AA121938	Hs.110835	Hs.110835			28342.98	2.19888849
GF204	448048	AA702809	Hs.117287	Hs.93135			28328.38	
GF202	40036	R53442	Hs.26038	Hs.26038			28293.85	2.21380281
GF204	252412	H87351	Hs.444	Hs.444			28292.55	
GF203	666180	AA233646	Hs.43334	Hs.43334			28231.58	1.97535804
GF201	320201	W15542	Hs.41654	Hs.41654			28230.12	
GF203	263341	N20003	Hs.26358	Hs.26358			28218.21	1.85150475
GF203	281190	N50976	Hs.30627	Hs.30627			28185.27	2.33320516
GF203	415816	W84811	Hs.112237	Hs.112237			28175.69	2.53802874
GF202	773533	AA428140	Hs.20529	Hs.20529			28174.05	2.42266525
GF203	270561	N33243	Hs.43537	Hs.25615			28140.62	2.03074922
GF203	752744	AA417825	Hs.5245	Hs.5245			28100.4	2.31176562

## APPENDIX A

GF203	266855	N23137	Hs.86178	Hs.226989	M-phase phosphoprotein 9 ESTs	MPHOSPH9	28079.58	2.16102468
GF202	489549	AA101833	Hs.69293	Hs.69293	ESTs		28076.11	1.67755626
GF202	306077	N91481	Hs.54713	Hs.54713	ESTs		28067.58	2.03173971
GF202	626037	AA187955	Hs.85564	Hs.85564	ESTs		28019.04	2.16165923
GF204	460179	AA676945	Hs.117017	Hs.47701	ESTs		27970.89	
GF204	460614	AA700445	Hs.113154	Hs.113154	EST		27929.52	
GF200	143756	R76499	Hs.93097	Hs.251757	ESTs, Weakly similar to KIAA0681 protein [H.sapiens]		27896.07	1.16999999
GF200	260200	N29376	Hs.3197	Hs.153837	myeloid cell nuclear differentiation antigen	MNDA	27835.99	1.04734974
GF200	357120	W93317	Hs.84640	Hs.84640	ESTs, Weakly similar to proline-rich protein MP3			
GF202	276712	N34895	Hs.44648	Hs.44648	[M.musculus]		27766.67	1.22921745
GF202	502383	AA156997	Hs.72150	Hs.72150	ESTs		27758.33	2.31413139
GF201	730002	AA416952	Hs.78220	Hs.247043	ESTs		27689.01	2.54333024
GF202	278846	N66593	Hs.49230	Hs.49230	calpastatin	CAST	27670.16	
					EST		27638.2	2.18784472
GF203	824802	AA489073	Hs.10065	Hs.10065	Homo sapiens clone 23851 mRNA sequence		27604.75	2.69959205
GF200	123627	R01669	Hs.85200	Hs.182429	protein disulfide isomerase- related protein	P5	27558.44	1.24462992
GF203	1461664	AA885311	Hs.1327	Hs.1327	butyrylcholinesterase	BCHE	27528.87	2.47280999
GF202	290561	N62376	Hs.48527	Hs.48527	ESTs		27495.48	1.85550025
					ESTs, Moderately similar to !!! ALU SUBFAMILY SC			
					WARNING ENTRY !!!			
GF201	809596	AA458471	Hs.5473	Hs.5473	[H.sapiens]		27495.36	

102020" 86226860

## APPENDIX A

Human DNA sequence from clone RP3-329A5 on chromosome 6p21.1-21.33 Contains a pseudogene similar to ribosomal protein L35a, ZNF76 (zinc finger protein 76 (expressed in testis)), part of the gene for KIAA06460 protein, an EST, STSs, GSSs and CpG Islands.n									
GF203	753062	AA436473	Hs.15476	Hs.15476				27469.98	2.29211906
GF202	784013	AA443704	Hs.98771	Hs.98771				27444.03	2.83567018
GF200	810761	AA480851	Hs.26126	Hs.26126			CLDN10	27416.68	1.12058542
GF204	868815	AA775212	Hs.8837	Hs.266914			sequence-specific single-stranded-DNA-binding protein	27310.03	
							SSDP		
Homo sapiens cDNA FLJ10713 fis, clone NT2RP3000980									
GF203	768508	AA495991	Hs.9536	Hs.9536				27293.7	2.18012988
GF200	950367	AA600189	Hs.7957	Hs.7957			adenosine deaminase, RNA-specific	27289.7	1.14738535
GF202	31955	R41981	Hs.127419	Hs.22180			ADAR		
							5-hydroxytryptamine (serotonin) receptor 6	27270.95	2.45368538
GF203	256284	H94627	Hs.22797	Hs.260523			neuroblastoma RAS viral (v-ras) oncogene homolog	27261.55	1.86234081
GF202	780944	AA429807	Hs.98632	Hs.98632			NRAS	27251.17	1.83945147
GF201	884673	AA629923	Hs.75663	Hs.227823			PM5	27240.21	
GF202	345132	W72724	Hs.103174	Hs.103174			pM5 protein ESTs	27205.75	2.19543674
GF204	377801	AA777002	Hs.121889	Hs.272812			HBG2	27205.63	
							hemoglobin, gamma G DNA (cytosine-5)-methyltransferase 3 beta	27200.96	1.90083777
GF203	276915	N39452	Hs.96323	Hs.251673			DNMT3B		
Homo sapiens mRNA; cDNA DKFZp434D0412 (from clone DKFZp434D0412)									
GF201	810389	AA464195	Hs.7295	Hs.235975				27179.69	
GF203	684595	AA251192	Hs.104351	Hs.177708			ESTs	27149.96	1.96375333

APPENDIX A

GF204	324785	W49522	Hs.3622	Hs.3622	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II	P4HA2	27124.17
GF203	845345	AA773478	Hs.18894	Hs.18894	adaptor-related protein complex 1, mu 2 subunit	HSMU1B	27119.13
GF203	435161	AA705692	Hs.117112	Hs.117112	ESTs		27058.26
GF203	166335	R87531	Hs.16187	Hs.16187	ESTs		27037.77
GF201	450307	AA682851	Hs.75841	Hs.75841	endoplasmic reticulum lumenal protein	ERP28	27026.94
GF203	361798	W95948	Hs.59752	Hs.59752	ESTs		27025.79
GF203	745364	AA625664	Hs.98834	Hs.168303	Homo sapiens clone DT1P1A11 mRNA, CAG repeat region		27023.43
GF202	283444	N52799	Hs.47543	Hs.47543	EST		27022.72
GF202	282838	N45100	Hs.46474	Hs.34871	KIAA0569 gene product	KIAA0569	27008.06
GF203	461516	AA705069	Hs.1890	Hs.250505	retinoic acid receptor, alpha	RARA	26915.78
GF200	810787	AA481758	Hs.82646	Hs.82646	heat shock 40kD protein 1	HSPF1	26905.66
GF203	703732	AA278764	Hs.15611	Hs.15611	ESTs		26901.24
GF202	593251	AA165400	Hs.24476	Hs.24476	ESTs		26885.6
GF203	83011	T69468	Hs.90653	Hs.180911	ribosomal protein S4, Y-linked	RPS4Y	26837.55
GF204	395463	AA757457	Hs.122024	Hs.187873	ESTs		26834.6
GF200	825296	AA504526	Hs.82399	Hs.82399	brefeldin A-sensitive, peripheral Golgi protein	LDLC	26829.15
GF203	767642	AA418273	Hs.98288	Hs.98288	ESTs		26828.17
GF200	741474	AA401111	Hs.944	Hs.944	glucose phosphate isomerase	GPI	26727.49
GF204	745090	AA626351	Hs.96423	Hs.96423	ESTs		26695.36
GF203	897807	AA598531	Hs.83851	Hs.111515	DKFZP58611023 protein	DKFZP58611023	26671.76
GF202	565014	AA129444	Hs.32452	Hs.32452	Homo sapiens mRNA for KIAA1263 protein, partial cds		26654.97
GF203	684561	AA251347	Hs.104349	Hs.104349	ESTs		26648.77
GF203	753092	AA436568	Hs.4931	Hs.172140	ESTs		26604.7
GF201	366315	AA025746	Hs.106597	Hs.106597	ESTs		26513.2
GF202	320564	W31540	Hs.83243	Hs.83243	ESTs		26467.57
GF202	320564	W31540	Hs.83243	Hs.83243	ESTs		2.05046688



APPENDIX A

GF202	593223	AA159669	Hs.11601	Hs.180532	heat shock 90kD protein 1, alpha	HSPCA	26447.8	2.3568856
GF200	299679	W05628	Hs.76845	Hs.76845	phosphoserine phosphatase- like	PSPHL	26445.34	1.18828063
GF200	109708	T81764	Hs.73151	Hs.172405	cell division cycle 27	CDC27	26436.48	1.15664321
GF202	325520	W52353	Hs.103093	Hs.103093	EST		26436.33	1.99146804
GF202	773649	AA433898	Hs.55854	Hs.177425	KIAA0964 protein	KIAA0964	26379.87	1.88908888
GF202	130364	R22856	Hs.115572	Hs.115572	ESTs		26350.54	1.79866124
GF203	28243	R40855	Hs.100839	Hs.100839	EST		26329.07	2.34542853
GF203	683695	AA215637	Hs.104186	Hs.16063	ESTs		26278.57	2.30355554
GF203	726830	AA398335	Hs.21939	Hs.21939	ESTs		26277	2.04498516
GF203	684265	AA236011	Hs.104292	Hs.104292	EST		26276.44	1.95294098
GF203	434825	AA703125	Hs.114170	Hs.134015	uronyl 2-sulfotransferase erythroblast macrophage protein	UST EMP	26270.34	1.92946207
GF204	545632	AA079028	Hs.20815	Hs.20815	potassium voltage-gated channel, shaker-related subfamily, member 5		26257.74	
GF204	1556044	AA975384	Hs.89509	Hs.150208	Spi-B transcription factor (Spi- 1/PU.1 related)	KCNA5	26209.22	
GF201	295093	N71628	Hs.2981	Hs.192861	ESTs	SPIB	26197.24	
GF204	1276652	AA776771	Hs.120868	Hs.120868	TLs-associated serine- arginine protein	TASR	26107.04	
GF204	283088	N51307	Hs.44045	Hs.3530	ESTs		26081.3	
GF203	753110	AA478556	Hs.72164	Hs.271399	ESTs		26064.09	2.16466792
GF203	687393	AA235330	Hs.62654	Hs.62654	inhibitor of DNA binding 4, dominant negative helix-loop- helix protein	ID4	26034.42	1.32432322
GF203	788234	AA454080	Hs.107892	Hs.34853	ESTs		26017.92	2.16060015
GF202	288800	N62516	Hs.48556	Hs.48556	2,3-bisphosphoglycerate mutase	BPGM	25986.42	2.21027878
GF203	430614	AA678065	Hs.79537	Hs.198365	EST		25975.15	2.44842155
GF202	503583	AA131240	Hs.103819	Hs.252014	serine/threonine kinase 18	STK18	25949.98	2.44255612
GF203	1343971	AA732873	Hs.26888	Hs.172052	ESTs		25921.53	2.2340752
GF203	812277	AA455078	Hs.33033	Hs.33033	ESTs		25911.76	2.12268082
GF201	283615	N52874	Hs.47068	Hs.47068	ESTs		25909.46	

Westbrook et al.

## APPENDIX A

GF200	771196	AA443506	Hs.83262	Hs.138860	Rho GTPase activating protein 1	ARHGAP1	25888.57	1.09208668
GF200	685371	AA261796	Hs.24297	Hs.24297	multiple endocrine neoplasia I	MEN1	25877.68	1.08534022
GF204	1556259	AA916780	Hs.5309	Hs.5309	ESTs		25850.43	
GF203	726721	AA398281	Hs.97597	Hs.143684	ESTs		25786.7	2.40324243
GF201	488421	AA044664	Hs.37438	Hs.111515	DKFZP58611023 protein	DKFZP58611023	25774.8	
GF203	263883	H99845	Hs.117988	Hs.29403	ESTs, Weakly similar to PROBABLE ATP- DEPENDENT RNA			
GF201	358671	W96463	Hs.47134	Hs.193132	HELICASE HRH1 [H.sapiens]		25743.46	2.03931136
GF204	1292487	AA718954	Hs.120839	Hs.163070	ESTs		25735.59	
					ESTs		25713.71	
GF200	289818	N62179	Hs.921	Hs.170008	methylmalonate-semialdehyde dehydrogenase	MMSDH	25665.33	1.1170313
GF202	251876	H96668	Hs.102349	Hs.102349	ESTs		25612.61	2.2585554
GF203	825669	AA505082	Hs.8932	Hs.183454	Homo sapiens mRNA; cDNA DKFZp434N1221 (from clone DKFZp434N1221)		25562.39	1.79842688
GF200	246686	N57731	Hs.80021	Hs.80021	ESTs, Weakly similar to 62D9.p [D.melanogaster]		25548.14	-1.0069545
GF204	490946	AA136618	Hs.50833	Hs.172510	ESTs		25515.11	
GF203	815051	AA465168	Hs.37262	Hs.235709	ESTs		25490.96	1.94042754
GF203	796614	AA461450	Hs.99540	Hs.99540	ESTs		25462.15	2.10849467
GF202	730377	AA470073	Hs.104836	Hs.104836	ESTs		25448.58	2.57820776
GF204	1574594	AA968896	Hs.82045	Hs.82045	midkine (neurite growth- promoting factor 2)	MDK	25426.46	
GF204	814222	AA465218	Hs.22981	Hs.22981	DKFZP586M1523 protein	DKFZP586M1523	25409.64	
GF203	548995	AA121142	Hs.121986	Hs.121986	ESTs, Moderately similar to copper transport protein HAH1 [H.sapiens]		25393.59	2.14033794
GF204	68340	T56982	Hs.118546	Hs.150395	ESTs		25326.29	
GF202	322838	W44923	Hs.55779	Hs.132755	EST		25299.77	2.03314866
GF201	809397	AA456595	Hs.7739	Hs.7739	ESTs		25272.65	

APPENDIX A

Homo sapiens cDNA									
GF203	343699	W69184	Hs.23973	Hs.169384	FLJ20807 fis, clone			25263.07	1.89054859
GF202	595213	AA173423	Hs.92918	Hs.92918	ADSE01784	BM-009		25253.45	2.19014904
GF201	771133	AA427782	Hs.10093	Hs.119178	hypothetical protein			25195.13	
ESTs									
ESTs, Weakly similar to Weak									
similarity with the Ysy6 protein									
[C.elegans]									
GF202	624840	AA181868	Hs.14484	Hs.11252	ESTs			25182.3	1.64348346
GF202	510845	AA099706	Hs.16331	Hs.16331	methylenetetrahydrofolate			25156.48	2.21622649
dehydrogenase (NADP+									
dependent),									
methenyltetrahydrofolate									
cyclohydrolase,									
formyltetrahydrofolate									
GF202	47384	H10779	Hs.107458	Hs.172665	synthetase	MTHFD1		25154.09	2.88427372
insulin-like growth factor 2									
GF200	245330	N54596	Hs.822	Hs.251664	(somatomedin A)	IGF2		25149.63	1.3310866
insulin-like growth factor 2									
GF200	245330	N54596	Hs.75963	Hs.251664	(somatomedin A)	IGF2		25149.63	1.3310866
ESTs, Highly similar to CGI-									
113 protein [H.sapiens]									
GF203	825229	AA504139	Hs.19077	Hs.19077				25146.36	1.97387514
Homo sapiens mRNA for									
inositol 1,4,5-trisphosphate 3-									
kinase isoenzyme, partial cds									
GF201	279146	N46828	Hs.21453	Hs.21453	ESTs, Weakly similar to			25101.3	
cytochrome P450db1									
[H.sapiens]									
GF202	785708	AA449325	Hs.16846	Hs.16846	hypothetical protein	HSPC192		25099.75	2.17701975
GF203	435509	AA701379	Hs.6762	Hs.6762	EST			25014.54	1.67218155
GF204	450491	AA682888	Hs.117240	Hs.117240	HDCMA18P protein	HDCMA18P		25011.24	
GF203	290240	N64387	Hs.28350	Hs.28350	Homo sapiens mRNA; cDNA			24977.99	1.69283085
DKFZp434B231 (from clone									
DKFZp434B231)									
ESTs									
GF203	788088	AA452406	Hs.20925	Hs.267445				24976.47	2.23376477
GF204	307302	N93454	Hs.54950	Hs.216756				24909.29	

## APPENDIX A

GF203	451470	AA707306	Hs.120971	Hs.269597	ESTs	24901	1.55172328
					solute carrier family 7 (cationic amino acid transporter, y+ system), member 5		
GF201	755578	AA419177	Hs.63052	Hs.184601	SLC7A5	24876.6	
GF201	433553	AA699469	Hs.137	Hs.177446	CA5A	24842.5	
GF200	141171	R67602	Hs.71989	Hs.71989	mitochondrial carbonic anhydrase VA, ESTs	24834.45	1.00793071
GF203	1390584	AA843592	Hs.68583	Hs.68583	mitochondrial intermediate peptidase	24810.34	2.58390144
					thyroid hormone receptor-associated protein, 240 kDa subunit		
GF202	838262	AA457462	Hs.59878	Hs.11861	TRAP240	24801.71	2.5011726
GF200	81417	T60223	Hs.10716	Hs.169617	ribonuclease, RNase A family, 4	24793.98	1.25764178
GF201	782335	AA432270	Hs.9508	Hs.38270	ESTs, Weakly similar to CGI-89 protein [H.sapiens]	24784.75	
GF203	487704	AA045230	Hs.118669	Hs.11183	sorting nexin 2	24779.04	2.12182505
					solute carrier family 2 (facilitated glucose transporter), member 1		
GF204	378365	AA775509	Hs.23579	Hs.169902	SLC2A1	24750.87	
GF200	713886	AA284568	Hs.89111	Hs.169718	calponin 2	24716.79	1.18676983
					ubiquitin-conjugating enzyme E2E 1 (homologous to yeast		
GF203	486607	AA044025	Hs.7766	Hs.7766	UBC4/5)	24659.38	1.68353751
GF204	845454	AA644183	Hs.83196	Hs.83196	ESTs	24638.71	
					KIAA1066 protein; JSAP1 homolog (mouse), JIP3		
GF203	825083	AA489245	Hs.5682	Hs.88500	KIAA1066	24632.91	1.8789448
GF202	141972	R68805	Hs.89650	Hs.89650	homolog (mouse)	24610.4	2.19861801
GF204	377874	AA777084	Hs.121893	Hs.121893	integral membrane protein 1	24598	
GF201	266643	N22776	Hs.42405	Hs.264079	EST	24596.22	
GF203	395459	AA757455	Hs.121226	Hs.208398	ESTs	24591.39	2.10332084
GF202	782307	AA432258	Hs.104909	Hs.112732	EST	24563.57	2.31616716
GF202	32076	R41998	Hs.22190	Hs.79672	ESTs	24543.57	2.49836139
GF204	1455257	AA865238	Hs.107503	Hs.227391	KIAA0652 gene product		
					DKFZP547E1010 protein	DKFZP547E1010	

APPENDIX A

GF200	322723	W15465	Hs.93231	Hs.93231	ESTs	24537.26	1.04627424
GF200	713922	AA290737	Hs.105976	Hs.5233	glutathione S-transferase M4	24520.38	1.18657746
GF202	595037	AA172400	Hs.62720	Hs.194691	retinoic acid induced 3	24477.02	2.2796884
					branched chain keto acid		
					dehydrogenase E1, alpha		
GF204	460837	AA708187	Hs.120099	Hs.78950	polypeptide (maple syrup urine disease)	24444.48	
GF203	413066	AA707784	Hs.120047	Hs.180793	ESTs	24425.76	1.86795552
GF203	1422723	AA827287	Hs.50842	Hs.50842	interferon-induced protein 35	24394.11	2.16830809
					ESTs, Weakly similar to		
GF200	230202	H93450	Hs.41891	Hs.41891	KIAA0426 [H.sapiens]	24360.46	1.21764431
					Homo sapiens mRNA; cDNA		
GF202	281565	N47989	Hs.46798	Hs.46798	DKFZp434K152 (from clone	24344.07	2.790107
GF202	323077	W42459	Hs.119535	Hs.262172	DKFZp434K152)	24311.57	2.26989026
					ESTs		
					carboxypeptidase A2		
GF203	1412245	AA844831	Hs.89717	Hs.89717	(pancreatic)	24291.14	2.32466283
GF202	743536	AA609422	Hs.112705	Hs.112705	EST	24272.87	2.06504927
GF200	755239	AA422058	Hs.42957	Hs.42957	methyltransferase-like 1	24269.22	1.31207704
GF201	491727	AA150487	Hs.73847	Hs.261372	ESTs	24210.67	
					Homo sapiens cDNA		
GF203	756575	AA444046	Hs.44423	Hs.44423	FLJ20514 fis, clone KAT09756	24206.85	1.85270282
					S-adenosylmethionine		
GF200	149013	R82299	Hs.75744	Hs.262476	decarboxylase 1	24199.12	1.2004288
					AMD1		
					ESTs, Moderately similar to		
					TGF-BETA RECEPTOR TYPE		
GF203	269269	N26658	Hs.12927	Hs.12927	III PRECURSOR [H.sapiens]	24194.86	1.89664514
GF203	430723	AA678098	Hs.116373	Hs.179964	ESTs	24183.3	1.64826874
					ras homolog gene family,		
GF203	769019	AA426324	Hs.27486	Hs.77273	member A	24149.46	2.13932746
					X-ray repair complementing		
					defective repair in Chinese		
GF203	814287	AA459013	Hs.99742	Hs.99742	hamster cells 3	24133.14	2.46890914
GF202	612024	AA180882	Hs.85432	Hs.85432	ESTs	24132.6	1.7735543
					XRCC3		

APPENDIX A

GF203	826142	AA521339	Hs.78866	Hs.15202	chimerin (chimaerin) 2	CHN2	24127.05	2.21352169
GF202	743452	AA609368	Hs.112699	Hs.112699	ESTs		24076.39	1.8920282
					solute carrier family 25			
					(mitochondrial carrier; Graves			
					disease autoantigen) member			
GF200	754490	AA411554	Hs.119564	Hs.180408	16	SLC25A16	24015.16	1.20957672
					solute carrier family 25			
					(mitochondrial carrier; Graves			
					disease autoantigen) member			
GF200	754490	AA411554	Hs.18203	Hs.180408	16	SLC25A16	24015.16	1.20957672
GF204	26736	R39891	Hs.106347	Hs.16936	ESTs		24014.81	
GF202	501700	AA127851	Hs.103789	Hs.103789	EST		24008.18	1.90830113
					SRY (sex-determining region			
GF202	773203	AA425701	Hs.13050	Hs.43627	Y)-box 22	SOX22	23986.2	2.10743358
					Homo sapiens cDNA			
					FLJ20208 fis, clone			
GF204	854425	AA669057	Hs.131776	Hs.131776	COLF1623		23984.41	
					chromosome 14 open reading			
GF200	110772	T90621	Hs.109052	Hs.109052	frame 2	C14ORF2	23924.85	1.22184535
					guanine nucleotide-binding			
					protein G(I)/G(O) gamma-2			
GF202	501431	AA115300	Hs.103720	Hs.23767	subunit	GNG2	23911.7	1.74812169
					Homo sapiens mRNA; cDNA			
GF202	44292	H06273	Hs.101651	Hs.101651	DKFZp434C107 (from clone		23803.74	2.21346954
GF200	628295	AA196465	Hs.15219	Hs.15219	DKFZp434C107)		23750.89	1.08469779
					sarcolipin	SLN		
					deleted in oral cancer (mouse,			
GF200	144932	R78607	Hs.3436	Hs.3436	homolog) 1	DOC1	23731.79	1.11763979
GF203	813633	AA447740	Hs.99139	Hs.99139	ESTs		23727.59	2.88558748
GF203	417801	W88752	Hs.7736	Hs.7736	hypothetical protein	LOC51264	23706.17	1.79103868
GF202	626619	AA191510	Hs.32232	Hs.32232	ESTs		23686.33	1.93584203
GF202	490055	AA121366	Hs.29604	Hs.29604	ESTs		23608.08	2.15045971
GF203	825606	AA504625	Hs.41723	Hs.8878	kinesin-like 1	KNL1	23556.13	2.58395546
GF204	684835	AA251826	Hs.42196	Hs.42196	ESTs		23538.67	

APPENDIX A

GF200	128126	R09561	Hs.1369	Hs.1369	decay accelerating factor for complement (CD55, Cromer blood group system)	DAF	23534.84	1.17383412
GF201	772890	AA479888	Hs.109729	Hs.250535	rabaptin-5	RAB5EP	23515.89	
GF201	261102	H98134	Hs.108829	Hs.108829	ESTs		23507.05	
GF204	1035762	AA629110	Hs.116304	Hs.116304	ESTs		23498.42	
GF200	814478	AA459263	Hs.38768	Hs.227817	BCL2-related protein A1	BCL2A1	23491.44	1.09003742
GF201	504461	AA152183	Hs.107318	Hs.107318	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	KMO	23427.81	
GF203	283034	N51280	Hs.77102	Hs.242894	ADP-ribosylation factor-like 1	ARL1	23391.29	2.11469208
GF202	811121	AA485688	Hs.29937	Hs.184779	Homo sapiens mRNA; cDNA DKFZp586B1922 (from clone DKFZp586B1922)		23388.92	2.07464876
GF200	755145	AA411440	Hs.75683	Hs.155191	villin 2 (ezrin)	VIL2	23384.09	1.17666307
GF202	511820	AA088749	Hs.107421	Hs.87409	thrombospondin 1	THBS1	23366.37	2.68951525
GF200	382693	AA069414	Hs.1447	Hs.1447	glial fibrillary acidic protein	GFAP	23342.31	1.16018831
GF201	1031799	AA609655	Hs.112743	Hs.112743	synaptonemal complex protein 1	SYCP1	23258.1	
GF204	299918	N80032	Hs.54372	Hs.270618	ESTs, Weakly similar to KIAA0822 protein [H.sapiens]		23242.84	
GF203	268877	N26031	Hs.43725	Hs.43725	ESTs		23238.72	2.02272118
GF202	837953	AA458578	Hs.127640	Hs.12017	KIAA0439 protein; homolog of yeast ubiquitin-protein ligase	KIAA0439	23230.27	2.45422548
GF202	285760	N64145	Hs.43233	Hs.43233	Rsp5		23166.31	2.12851527
GF202	773279	AA425295	Hs.104862	Hs.104862	ESTs		23156.38	2.31171363
GF202	949988	AA600214	Hs.107567	Hs.180320	ESTs, Weakly similar to GOLGI 4-TRANSMEMBRANE SPANNING TRANSPORTER			
GF201	795755	AA460313	Hs.98587	Hs.98587	MTP [H.sapiens]		23130.45	2.28327554
					ESTs		23042.16	

FO2020-86226860

## APPENDIX A

ESTs, Weakly similar to !!!!								
ALU CLASS B WARNING								
ENTRY !!!! [H.sapiens]								
GF202	416113	W85900	Hs.109333	Hs.109333 Hs.4084	KIAA1025	23040.46	1.9913894	
GF203	768507	AA496000	Hs.91734			23008.87	2.51495919	
ESTs, Weakly similar to								
phosphoinositide 3-kinase								
GF203	826194	AA521439	Hs.29098	Hs.118739 Hs.59774		22996.29	1.80252787	
GF202	358544	W96022	Hs.59774			22968.9	1.22043933	
Fc fragment of IgE, high								
affinity I, receptor for; gamma								
GF200	235155	H79353	Hs.743	Hs.743 Hs.3463	FCER1G	22961.35	1.20224549	
GF200	824426	AA490300	Hs.8653			22955.55	1.129053	
GF202	280082	N56947	Hs.48008	Hs.48008 Hs.96464		RPS23	22952.71	2.25053376
GF202	731183	AA417250	Hs.96464				22932.03	2.07799164
carbohydrate (keratan sulfate								
Gal-6) sulfotransferase 1								
GF202	53039	R15740	Hs.104576	Hs.104576 Hs.25846	CHST1	22881.64	2.48856178	
GF203	361922	AA001403	Hs.25846			22880.82	2.77321356	
GF202	626842	AA191424	Hs.111128	Hs.111128 Hs.42212		ZMPSTE24	22864.01	2.03870652
GF202	251565	H96630	Hs.42212				22847.31	1.93366944
Homo sapiens mRNA for								
KIAA1204 protein, partial cds								
GF202	773329	AA425435	Hs.98438	Hs.98438 Hs.22269	NRXN3	22842.85	1.9874666	
GF203	785542	AA450336	Hs.22269			22831.11	2.40930586	
neurexin III								
triple functional domain								
GF202	626822	AA191348	Hs.96178	Hs.171957	TRIO	22758.58	2.63772575	
(PTPRF interacting)								
Homo sapiens cDNA								
FLJ11121 fis, clone								
GF203	742049	AA401457	Hs.5249	Hs.273230 Hs.177698		22752	1.59580848	
GF203	827003	AA521387	Hs.87661			22738.39	2.07078884	
GF203	1049287	AA620757	Hs.72026	Hs.72026 Hs.44649		PRSS21	22719.72	1.4478952
GF203	276714	N34896	Hs.44649				22702.08	1.23119007
F-box protein Fbw1b; beta-								
transducin repeat-containing								
GF202	251698	H97827	Hs.21229	Hs.21229 Hs.109851	KIAA0696	22652.1	2.23116686	
GF202	489407	AA045641	Hs.109851			22610.32	2.0564728	



APPENDIX A

GF201	257523	N30302	Hs.83147	Hs.83147	guanine nucleotide binding protein-like 1	GNL1	22516.76
GF200	131877	R25153	Hs.23807	Hs.163813	ESTs		22503.42
					Homo sapiens cDNA		1.1666658
GF202	609910	AA169226	Hs.72782	Hs.72782	FLJ20282 fis, clone		22481.87
GF204	1517171	AA903183	Hs.1724	Hs.1724	HEP03828		22461.72
GF203	415046	W93108	Hs.59417	Hs.15202	interleukin 2 receptor, alpha	IL2RA	22441.07
GF201	809595	AA458480	Hs.89124	Hs.107362	chimerin (chimaerin) 2	CHN2	22410.37
					KIAA0909 protein	KIAA0909	
					ESTs, Weakly similar to		
GF200	133084	R26337	Hs.24025	Hs.24025	C06A6.3 gene product		22400.11
					[C.elegans]		1.08951939
GF202	842918	AA486435	Hs.106786	Hs.183738	FERM, RhoGEF (ARHGEF)		22400.03
GF202	323396	W42928	Hs.103046	Hs.103046	and pleckstrin domain protein	FARP1	22393.94
					1 (chondrocyte-derived)		22400.03
GF204	878173	AA775453	Hs.18623	Hs.181165	ESTs		22366.21
					eukaryotic translation		22345.43
GF200	202692	H53499	Hs.36779	Hs.36779	elongation factor 1 alpha 1	EEF1A1	1.33620821
					ESTs, Weakly similar to Zn-		
GF201	47234	H10939	Hs.92060	Hs.158159	finger-like protein [H.sapiens]		22328.43
GF203	291490	N72855	Hs.43561	Hs.81170	FAT tumor suppressor	FAT2	22326.52
GF204	855413	AA664024	Hs.116930	Hs.116930	(Drosophila) homolog 2	PIM1	22319.81
					pim-1 oncogene		1.69213244
					ESTs		
					dual specificity phosphatase		
GF202	811813	AA463480	Hs.14611	Hs.14611	11 (RNA/RNP complex 1- interacting)	DUSP11	22306.45
					Homo sapiens clone 23596		1.67232983
GF200	198509	R94775	Hs.3850	Hs.3850	mRNA sequence		22306.12
GF202	782270	AA431736	Hs.98748	Hs.161851	ESTs		22292.46
GF202	838048	AA454543	Hs.86379	Hs.86379	ESTs		22290.25
GF203	449316	AA777817	Hs.121978	Hs.121978	EST		22274.17
					cleavage stimulation factor, 3'		
GF200	714426	AA291995	Hs.693	Hs.693	pre-RNA, subunit 2, 64kD	CSTF2	22270.55
GF202	323251	W42996	Hs.103047	Hs.141707	EST		22257.13
GF202	304786	N92571	Hs.54808	Hs.54808	ESTs		22254.91
							1.87281597

APPENDIX A

GF202	1031976	AA609983	Hs.112797	ESTs	22239.15	2.65650269
GF201	809969	AA454840	Hs.146278	ESTs	22196.51	
GF201	279728	N49068	Hs.93966	ESTs	22168.7	
GF203	703577	AA278757	Hs.104417	Homo sapiens mRNA for KIAA1205 protein, partial cds	22148.41	2.24932221
GF203	826103	AA521416	Hs.22701	ESTs	22099.48	1.74777026
GF200	745347	AA625666	Hs.76507	LPS-induced TNF-alpha factor	22052	1.26740767
GF201	795208	AA453579	Hs.72050	non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase)	22041.16	
GF203	261840	H99205	Hs.42644	thioredoxin-like	22010.79	2.06091639
GF203	704076	AA279172	Hs.243118	ESTs	21961.79	1.9741595
GF202	609682	AA169230	Hs.72838	ESTs	21959.67	1.77690594
GF202	302632	N90281	Hs.94610	B7 protein	21951.18	2.63831034
GF203	684508	AA250962	Hs.87779	ESTs	21940.45	1.87280389
GF201	488769	AA045847	Hs.188361	ESTs	21924.1	
GF203	814316	AA459104	Hs.119436	ribosomal protein L13	21922.32	1.89584736
GF200	810625	AA464755	Hs.180842	ankyrin 1, erythrocytic	21921.91	1.01566052
GF200	321247	W52803	Hs.79362	retinoblastoma-like 2 (p130)	21901.26	1.24020479
GF204	290277	N62279	Hs.21364	ESTs	21828.18	
GF202	950378	AA599042	Hs.112503	EST	21815.32	2.28419802
GF202	951325	AA620597	Hs.55547	Homo sapiens mRNA; cDNA DKFZp586F1822 (from clone DKFZp586F1822)	21778.39	2.03322686
GF201	284531	N64753	Hs.34797	ESTs	21773.57	
GF203	283341	N45326	Hs.15896	pericentrin	21763.21	2.0532938
GF203	1240062	AA706664	Hs.120863	ESTs	21751.64	1.58579411
GF204	1456983	AA862496	Hs.28482	ESTs	21738.39	
GF201	755302	AA496357	Hs.12912	skb1 (S. pombe) homolog	21732.35	
GF201	306841	N91921	Hs.75727	T cell receptor beta locus	21695.8	
GF203	278502	N66138	Hs.57911	ESTs	21689.18	1.80020086
GF203	278502	N66138	Hs.182123	ESTs		

APPENDIX A

GF203	813983	AA455640	Hs.6076	COP9 (constitutive photomorphogenic, Arabidopsis, homolog) subunit 3	21658.52	2.53251422
GF203	288681	N62403	Hs.7941	ESTs	21629.22	1.51081392
GF200	345559	W73892	Hs.74594	RNA binding motif protein 5	21608.27	1.19708864
				Homo sapiens mRNA; cDNA DKFZp434I1216 (from clone DKFZp434I1216)		
GF204	826219	AA521470	Hs.13768	ART-4 protein	21590.89	
GF203	824799	AA489080	Hs.3566	Vacuolar proton-ATPase, subunit D; V-ATPase, subunit D	21566.64	1.98526816
GF201	384078	AA702541	Hs.106876	ATP6DV	21544	
GF201	365543	AA009628	Hs.103297	ESTs	21541.35	
GF204	744029	AA629254	Hs.116314	EST	21536.84	
GF204	1420830	AA826324	Hs.110832	ESTs	21532.67	
				Homo sapiens HMT-1 mRNA for beta-1,4 mannosyltransferase, complete cds		
GF203	199337	R95684	Hs.121056	KIAA0590 gene product	21531.74	1.90584952
GF202	810773	AA481751	Hs.111862	ESTs	21523.18	1.80305272
GF204	1034740	AA780191	Hs.122123	adaptor-related protein	21487.73	
GF201	856434	AA630776	Hs.75056	complex 3, delta 1 subunit	21445.72	
GF203	815190	AA481155	Hs.3727	unr-interacting protein	21440.52	1.62714535
GF203	726471	AA399260	Hs.28454	ESTs	21437.2	2.40380092
				amyloid beta precursor protein (cytoplasmic tail)-binding protein 2		
GF201	782161	AA431206	Hs.84084	APPBP2	21357.22	
GF202	305937	N91347	Hs.54699	ESTs	21356.79	2.30888422
GF204	1292836	AA776705	Hs.121862	EST	21345.69	
				Homo sapiens cDNA FLJ20185 fis, clone COLF0307		
GF200	142134	R69153	Hs.79601	growth factor receptor-bound protein 2	21305.07	1.23993455
GF204	70809	T47348	Hs.100382	GRB2	21242.23	

APPENDIX A

GF203	279516	N48820	Hs.122974	Hs.122974	ESTs	21223	1.62418018
GF202	726684	AA398233	Hs.111894	Hs.111894	KIAA0108 gene product	21219.05	1.76760303
GF200	705265	AA280677	Hs.1162	Hs.250904	zinc finger protein 258	21201.92	1.10258694
GF203	826193	AA521448	Hs.103845	Hs.103845	ESTs	21173.5	2.33846547
GF202	782710	AA447603	Hs.99123	Hs.99123	EST	21152.43	2.2792814
					cytochrome P450, subfamily XIX (aromatization of androgens)		
GF200	135713	R32428	Hs.106194	Hs.79946	three prime repair exonuclease 1	21150.26	1.26383652
GF203	704410	AA279658	Hs.23595	Hs.23595	TREX1	21144.16	1.81991201
GF201	280286	N49224	Hs.46911	Hs.159448	H.sapiens mRNA for SURF-2 DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 19	21134.78	
					(Ddp5, yeast, homolog)		
GF200	139872	R64251	Hs.28500	Hs.226396	DDX19	21105.75	1.29301512
GF202	285253	N66296	Hs.49170	Hs.49170	EST	21101.99	2.18743605
GF203	43709	H05734	Hs.30559	Hs.30559	ESTs	21095.67	1.72851925
GF202	309983	N95440	Hs.102941	Hs.102941	ESTs	21035.54	1.96038256
GF200	194600	R84242	Hs.33436	Hs.268337	ESTs	21026.21	1.47844928
GF204	811914	AA454986	Hs.54973	Hs.54973	ESTs	21025.72	
					testis specific protein, Y-linked	21018.37	
GF201	1030769	AA608988	Hs.2051	Hs.2051	ZNF258	20981.46	1.25685163
GF200	705265	AA280676	Hs.118973	Hs.250904	zinc finger protein 258		
					Homo sapiens mRNA; cDNA DKFZp566B213 (from clone DKFZp566B213)		
GF203	324694	W47327	Hs.8878	Hs.194051	ESTs	20977.75	1.33146371
GF204	489644	AA099390	Hs.23657	Hs.177532	ESTs	20975.72	
GF203	306540	N91821	Hs.118253	Hs.25298	ESTs	20960.93	1.64197006
					hydroxysteroid (11-beta) dehydrogenase 2		
GF201	415145	W95082	Hs.1376	Hs.1376	HSD11B2	20954.75	
					Homo sapiens mRNA; cDNA DKFZp586E171 (from clone DKFZp586E171)		
GF204	704462	AA279748	Hs.93581	Hs.93581		20941.28	

GF204	878588	AA775246	Hs.7337	Hs.7337	Homo sapiens cDNA FLJ10936 fis, clone OVARC1000959, weakly similar to HYPOTHETICAL PROTEIN MJ0933	20892.8	1.27982697
GF202	795885	AA460156	Hs.99556	Hs.99556	ESTs	20887.64	
GF204	1031006	AA635174	Hs.117142	Hs.117142	ESTs	20885.31	
GF204	1292634	AA719131	Hs.120870	Hs.120870	ESTs	20878.78	
GF203	726989	AA398482	Hs.97641	Hs.97641	EST mitochondrial capsule	20860	2.37316251
GF201	1031185	AA609976	Hs.111850	Hs.111850	selenoprotein ESTs, Highly similar to PEROXISOME ASSEMBLY FACTOR-2 [H.sapiens] endothelin converting enzyme 1	20853.95	
GF202	796212	AA460646	Hs.115570	Hs.83714	transaldolase 1 KIAA0981 protein ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	20814.15	1.86692501
GF200	704290	AA279429	Hs.88611	Hs.181406	ESTs	20813.9	1.12893358
GF204	1591264	AA955007	Hs.77290	Hs.77290	ESTs	20809.03	
GF203	824720	AA488976	Hs.25931	Hs.158135	ESTs ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens] ESTs, Weakly similar to potential CDS [H.sapiens] ESTs Homo sapiens cDNA FLJ10739 fis, clone NT2RP3001472, weakly similar to NONHISTONE CHROMOSOMAL PROTEIN 6A	20805.04	2.26723964
GF200	782800	AA448184	Hs.3712	Hs.3712	UQCRRFS1	20777.65	1.15984733
GF202	33814	R44714	Hs.106795	Hs.106795	ESTs	20776.72	2.549751
GF201	428632	AA004528	Hs.60027	Hs.169444	ESTs	20763.5	
GF204	1455917	AA862339	Hs.127051	Hs.127051	ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens] ESTs, Weakly similar to potential CDS [H.sapiens] ESTs Homo sapiens cDNA FLJ10739 fis, clone NT2RP3001472, weakly similar to NONHISTONE CHROMOSOMAL PROTEIN 6A	20756.25	
GF202	415211	W95061	Hs.64754	Hs.64754	ESTs	20752.25	2.62933217
GF202	773443	AA426022	Hs.23871	Hs.23871	ESTs	20751.51	1.96352918
GF203	825036	AA489207	Hs.69594	Hs.69594	ESTs	20743.64	1.97820249

APPENDIX A

GF201	376462	AA039512	Hs.95221	Hs.1540	nuclear matrix protein p84	P84	20694.53
GF200	293785	N94234	Hs.49093	Hs.94842	ESTs		20626.99
GF204	277074	N34287	Hs.44553	Hs.44553	unc5 (C.elegans homolog) C	UNC5C	20590.82
					DNA segment on		
					chromosome X (unique) 522		
GF201	810264	AA463924	Hs.83363	Hs.83363	expressed sequence	DXS522E	20573.27
GF200	823901	AA490771	Hs.13137	Hs.13137	UV radiation resistance		
					associated gene	UVRAG	20563.12
GF200	248531	N59764	Hs.5398	Hs.5398	guanine-monophosphate synthetase	GMPS	20546.23
GF200	135083	R33030	Hs.110029	Hs.183760	glucose regulated protein, 58kD	GRP58	20504.06
GF200	135083	R33030	Hs.84298	Hs.183760	glucose regulated protein, 58kD	GRP58	20504.06
GF203	131791	R24506	Hs.78085	Hs.78085	ESTs		20491.3
GF202	773673	AA433916	Hs.90093	Hs.90093	heat shock 70kD protein 4	HSPA4	20425.94
					apolipoprotein B (including Ag(x) antigen)		
GF204	68504	T53122	Hs.114684	Hs.585	protease inhibitor 8 (ovalbumin type)	APOB	20423.1
GF201	341978	W61361	Hs.41726	Hs.41726	ESTs, Moderately similar to !!!	P18	20385.23
					ALU SUBFAMILY SP		
					WARNING ENTRY !!!!		
GF202	42044	R60795	Hs.120200	Hs.120200	[H.sapiens]		20384.43
GF203	383938	AA702714	Hs.114030	Hs.163022	ESTs		20378.52
GF204	731443	AA412441	Hs.98131	Hs.98131	EST		20376.61
GF201	782840	AA448271	Hs.99126	Hs.99126	ESTs		20350.63
					Hairpin binding protein,		
GF201	884718	AA629558	Hs.75257	Hs.75257	histone	HBP	20317.81
GF201	284796	N63099	Hs.46630	Hs.46630	ESTs		20315.41
					low density lipoprotein-related protein 1 (alpha-2-		
GF200	810551	AA464566	Hs.89137	Hs.89137	macroglobulin receptor)	LRP1	20284.24
					protein predicted by clone		
GF203	786690	AA451900	Hs.72257	Hs.150555	23733	HSU79274	20278.36
GF203	283888	N50786	Hs.5161	Hs.5161	ESTs		20202.85
							1.40526071
							2.24130792
							1.17352235
							2.63305536
							1.87469495
							1.14255194
							1.84845782
							2.26907528

APPENDIX A

GF200	305606	N90246	RG.35	Hs.89839	EphA1	20184.32	1.15509199
GF200	305606	N90246	Hs.89839	Hs.89839	EphA1	20184.32	1.15509199
GF201	884993	AA629862	Hs.8372	Hs.8372	ubiquinol-cytochrome c	20182.51	
GF203	786288	AA451854	Hs.119338	Hs.119338	reductase (6.4kD) subunit	20175.98	1.95943321
GF203	43176	H05037	Hs.30131	Hs.30131	ESTs	20155.37	2.18500181
GF202	121580	T97921	Hs.114735	Hs.187564	ESTs	20137.67	2.0291231
GF201	769600	AA425900	Hs.3041	Hs.3041	uracil-DNA glycosylase 2	20114.35	
GF204	1418650	AA878129	Hs.125381	Hs.125381	ESTs	20100.46	
GF203	451564	AA707063	Hs.119594	Hs.119594	ESTs	20094.49	2.03397703
GF201	321163	W53000	Hs.91865	Hs.56155	hypothetical protein	20082.62	
GF200	823775	AA490256	Hs.73799	Hs.73799	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	20082.5	1.1865622
GF204	824421	AA490236	Hs.11817	Hs.11817	nudix (nucleoside diphosphate linked moiety X)-type motif 5	20081.78	
GF200	795847	AA460599	Hs.75889	Hs.198767	COP9 (constitutive photomorphogenic, Arabidopsis, homolog) subunit 5	20079.41	1.18779692
GF203	756708	AA443903	Hs.10082	Hs.10082	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	20078.81	1.91242844
GF200	241932	H93906	Hs.41817	Hs.260725	ESTs	20069.41	1.08695282
GF203	826363	AA521038	Hs.6672	Hs.76057	lysophospholipase II	20069.2	1.61299319
GF204	1579647	AA963508	Hs.10225	Hs.10225	ESTs	20066.3	
GF203	259579	N29765	Hs.125244	Hs.125244	RAD51 (S. cerevisiae)-like 3	20054.32	2.19877128
GF200	815555	AA456900	Hs.74044	Hs.172690	diacylglycerol kinase, alpha (80kD)	20037.5	1.21788299
GF203	267738	N29283	Hs.28002	Hs.28002	ESTs	20034.57	2.18576845
GF201	782283	AA432248	Hs.6738	Hs.183639	Homo sapiens mRNA for KIAA1294 protein, partial cds	20025.41	
GF202	782773	AA448172	Hs.99155	Hs.137687	ESTs	20019.89	1.98646586

APPENDIX A

GF201	366481	AA026418	Hs.91539	Hs.111758	keratin 6B	KRT6B	19992.13
GF200	143748	R76365	Hs.29551	Hs.268177	phospholipase C, gamma 1 (formerly subtype 148)	PLCG1	19987.89 1.29210842
GF204	745018	AA626018	Hs.112095	Hs.112095	ESTs		19963.6
GF202	38618	R50759	Hs.20995	Hs.20995	ESTs		19963.33 2.10992816
GF203	703384	AA258030	Hs.55356	Hs.93379	eukaryotic translation initiation factor 4B	EIF4B	19919.28 1.90273574
GF204	814694	AA481066	Hs.105153	Hs.105153	ESTs		19909.24
GF202	281970	N48181	Hs.46831	Hs.46831	EST		19899.36 2.41988671
GF202	773304	AA425384	Hs.112015	Hs.112015	ESTs, Moderately similar to alpha tubulin [H.sapiens]		19883.86 2.36842431
GF203	166510	R88672	Hs.34175	Hs.197668	Homo sapiens mRNA for KIAA1270 protein, partial cds		19880.46 2.38221861
GF202	307362	N95230	Hs.55124	Hs.125316	ESTs		19869.59 2.44231329
GF200	825451	AA504342	Hs.7763	Hs.7763	vesicle docking protein p115	P115	19865.27 1.2148437
GF202	32991	R44770	Hs.106356	Hs.106356	ESTs		19831.4 2.4012661
GF203	878505	AA775840	Hs.7517	Hs.7517	Homo sapiens mRNA; cDNA DKFZp434O1230 (from clone DKFZp434O1230); partial cds		19824.06 1.52971157
GF203	262916	H99661	Hs.5687	Hs.5687	protein phosphatase 1B (formerly 2C), magnesium- dependent, beta isoform	PPM1B	19817.64 2.15751754
GF204	1504101	AA904797	Hs.130710	Hs.130710	ESTs		19809.39
GF202	32082	R42667	Hs.21119	Hs.21119	ESTs		19776.2 2.46140006
GF200	713782	AA292676	Hs.92208	Hs.92208	a disintegrin and metalloproteinase domain 15 (metargidin)	ADAM15	19772.49 1.30166779
GF200	842989	AA488346	Hs.77385	Hs.77385	myosin, light polypeptide 6, alkali, smooth muscle and non- muscle	MYL6	19743.92 1.0863672
GF202	838744	AA457547	Hs.34646	Hs.25732	eukaryotic translation initiation factor 4 gamma, 3	EIF4G3	19733.47 2.38280902
GF201	300038	N78909	Hs.32135	Hs.32135	ESTs		19703.24



APPENDIX A

GF202	241705	H91680	Hs.108685	Hs.771	phosphorylase, glycogen; liver			
GF200	840788	AA486085	Hs.76293	Hs.76293	(Hers disease, glycogen storage disease type VI)	PYGL	19687.78	2.16355389
GF204	1434969	AA857991	Hs.123106	Hs.123106	thymosin, beta 10	TMSB10	19684.58	1.01804963
GF203	246704	N57743	Hs.8468	Hs.8468	ESTs		19669.9	
GF203	279826	N40969	Hs.114394	Hs.114394	RelA-associated inhibitor	RAI	19669.36	2.02303486
GF203	148650	H12723	Hs.129879	Hs.25615	EST		19649.64	1.77471796
GF201	240966	H90894	Hs.82727	Hs.63525	YDD19 protein	YDD19	19577.16	1.57261802
GF201	502682	AA127096	Hs.102948	Hs.102948	poly(rC)-binding protein 2	PCBP2	19574.93	
GF203	397262	AA701006	Hs.66418	Hs.66418	enigma (LIM domain protein)	ENIGMA	19569.12	
GF202	897979	AA598872	Hs.8083	Hs.8083	ESTs		19558.82	1.79134015
					hypothetical protein	LOC51254	19556.94	2.69825852
GF201	415817	W84868	Hs.1645	Hs.1645	cytochrome P450, subfamily IVA, polypeptide 11	CYP4A11	19544.59	
GF201	486787	AA043228	Hs.5318	Hs.194662	calponin 3, acidic	CNN3	19532.7	
GF203	826994	AA521373	Hs.9469	Hs.9469	ESTs		19513.69	1.95078932
GF202	782257	AA431740	Hs.98751	Hs.98751	ESTs		19481.96	1.41422547
GF200	897567	AA489611	Hs.2795	Hs.2795	lactate dehydrogenase A	LDHA	19459.43	1.23597373
GF202	784306	AA447083	Hs.57080	Hs.62767	KIAA1332 protein	KIAA1332	19457.11	2.39600711
GF204	1468148	AA884826	Hs.125686	Hs.125686	EST		19445.45	
GF202	271497	N35038	Hs.44687	Hs.169982	ESTs		19436.11	1.92312577
					RNA-binding protein gene with multiple splicing	RBPM5	19434.44	1.99197999
GF202	1031029	AA609862	Hs.112773	Hs.80248	EST		19429.47	2.2289636
GF202	46629	H10059	Hs.101686	Hs.101686	ESTs		19417.05	2.44062133
GF203	813501	AA456078	Hs.59982	Hs.59982	ESTs		19378.82	1.62718918
GF203	666059	AA193603	Hs.104091	Hs.104091	ESTs			
					protein phosphatase 1, regulatory (inhibitor) subunit 8	PPP1R8	19367.43	
GF201	278650	N66208	Hs.78961	Hs.78961	ESTs		19350.16	1.70301218
GF202	1031728	AA609579	Hs.112724	Hs.112724	peptidylprolyl isomerase E (cyclophilin E)	PPIE	19301.4	1.1791273
GF200	302310	W17246	Hs.118220	Hs.33251	ESTs, Weakly similar to RFXANK [H.sapiens]		19284.05	2.14948298
GF202	138841	R63682	Hs.124959	Hs.220676	ESTs		19275.9	1.90894741
GF203	152138	H04274	Hs.29790	Hs.238809	ESTs		19259.55	
GF204	487882	AA045465	Hs.4768	Hs.4768	ESTs			

APPENDIX A

GF201	756600	AA481464	Hs.699	peptidylprolyl isomerase B (cyclophilin B)	PPIB	19259.38
GF202	757158	AA443939	Hs.111458	ESTs		19245.02
GF203	548465	AA101146	Hs.125081	ESTs		19241.75
GF204	701115	AA287347	Hs.105088	ESTs		19232.81
GF203	726602	AA398193	Hs.97584	ESTs		19222.93
				SELENOPHOSPHATE		
				SYNTHETASE ; Human		
GF201	347213	W80692	Hs.108647	selenium donor protein	SPS	19175.37
				cofactor required for Tat		
				activation of HIV-1		
GF203	1434948	AA857131	Hs.71134	transcription	TAT-SF1	19171.8
				synthrophin, alpha (dystrophin-associated protein A1, 59kD, acidic component)		
GF201	435330	AA699926	Hs.31121	ESTs	SNT1	19159.07
GF202	587430	AA132524	Hs.70614	ESTs		19111.78
GF202	594988	AA172370	Hs.28921	ESTs		19107.79
				membrane fatty acid (lipid)		
GF201	324891	W49667	Hs.34535	desaturase	MLD	19075.25
GF200	770462	AA427724	Hs.78068	carboxypeptidase Z	CPZ	19051.04
				ESTs, Moderately similar to		
				HYPOTHETICAL PROTEIN		
GF204	743902	AA634475	Hs.22567	KIAA0273 [H.sapiens]		19034.73
				adaptor-related protein		
GF200	300474	W07300	Hs.26275	complex 1, gamma 1 subunit	ADTG	19025.46
				Homo sapiens mRNA; cDNA		
GF204	487381	AA046704	Hs.32360	DKFZp434K0115 (from clone		19008.22
GF201	810664	AA463972	Hs.109802	DKFZp434K0115); partial cds	JAG2	19004.74
				jagged 2		
				Homo sapiens cDNA		
				FLJ10847 fis, clone		
GF204	416096	W85883	Hs.48403	NT2RP4001379		18998.35
GF204	1461100	AA867983	Hs.126090	ESTs		18995.34
GF204	1460391	AA883612	Hs.125478	EST		18944.58
GF203	788217	AA453437	Hs.34359	ESTs		18928.55
						1.72794684

APPENDIX A

GF204	506270	AA706107	Hs.119951	Hs.70186	suppressor of Ty (S.cerevisiae) 5 homolog	SUPT5H	18926.68
GF202	782757	AA448012	Hs.99151	Hs.99151	EST		18923.53
GF200	753069	AA436591	Hs.78941	Hs.78941	c-met proto-oncogene tyrosine kinase	MERTK	18889.82
GF204	757340	AA437090	Hs.97408	Hs.97408	ESTs		18865.61
GF204	1569876	AA962280	Hs.13234	Hs.13234	ESTs		18855.67
GF202	1048602	AA608863	Hs.112605	Hs.112605	EST		18848.38
GF202	306375	N90703	Hs.54645	Hs.145731	EphA8	EPHA8	18846.42
					Homo sapiens cDNA		
GF201	810026	AA455267	Hs.26700	Hs.26700	FLJ10309 fis, clone		18831.06
GF201	297949	N70088	Hs.107665	Hs.138467	NT2RM2000287		18817.38
GF204	454065	AA676987	Hs.117020	Hs.117020	ESTs		18751.67
GF203	768039	AA418850	Hs.44410	Hs.44410	ESTs		18746.9
GF201	32989	R44769	Hs.22629	Hs.22629	ESTs		18733.47
GF201	50904	H19234	Hs.100825	Hs.194589	ESTs		18733.22
					cytochrome c oxidase subunit		
GF203	1469230	AA862813	Hs.81097	Hs.81097	VIII	COX8	18727.46
					KIAA0439 protein; homolog of		
GF203	811766	AA463445	Hs.12017	Hs.12017	yeast ubiquitin-protein ligase	KIAA0439	18727.04
					Rsp5		
					inhibitor of kappa light		
GF204	309563	N94412	Hs.20593	Hs.226573	polypeptide gene enhancer in	IKBKB	18717.54
					B-cells, kinase beta		
GF203	626967	AA190871	Hs.37009	Hs.37009	alkaline phosphatase,		
GF202	877835	AA625634	Hs.105660	Hs.182825	intestinal	ALPI	18709.72
GF204	1591599	AA983462	Hs.89497	Hs.89497	ribosomal protein L35	RPL35	18703.9
GF201	809789	AA454756	Hs.97837	Hs.97837	lamin B1	LMNB1	18689.74
GF200	131104	R23924	Hs.23596	Hs.23596	ESTs		18679.43
GF203	773367	AA425664	Hs.78534	Hs.240013	EST		18662.67
GF202	898074	AA598780	Hs.45109	Hs.45109	catechol-O-methyltransferase	COMT	18654.57
					ESTs		18648.23
					proteasome (prosome,		
					macropain) 26S subunit,		
GF201	810558	AA464568	Hs.3842	Hs.211594	ATPase, 4	PSMC4	18639.64

APPENDIX A

GF203	150897	H03436	Hs.69009	putative type II membrane protein	HP10328	18631.02	2.05379298
GF203	392365	AA707915	Hs.120057	EST		18628.73	1.56308764
GF203	712957	AA282495	Hs.89014	ESTs		18619.98	1.76743971
GF201	279302	N48602	Hs.46696	Homo sapiens mRNA for hypothetical protein (TR2/D15 gene)		18610.87	
GF204	773523	AA428135	Hs.128789	ESTs, Weakly similar to TRANSCRIPTION FACTOR		18607.71	
GF200	247967	N73115	Hs.47701	SOX-5 [H.sapiens]		18601.91	1.12998711
GF201	868212	AA633901	Hs.118787	transforming growth factor, beta-induced, 68kD	TGFB1	18596.06	
GF200	324745	W47156	Hs.12166	sec22 homolog	SEC22A	18594.04	1.30770213
GF202	773253	AA425877	Hs.98424	ESTs		18584.32	2.04260209
GF201	858153	AA633811	Hs.79334	nuclear factor, interleukin 3 regulated	NFIL3	18561.11	
GF201	359119	AA010065	Hs.108659	CDC28 protein kinase 2	CKS2	18551.72	
GF202	782533	AA431787	Hs.98762	EST		18544.21	1.42087072
GF204	1055489	AA626131	Hs.116125	matrix metalloproteinase 23A	MMF23A	18520.82	
GF201	428721	AA004638	Hs.106108	hemoglobin, gamma G	HGB2	18508.73	
GF201	236059	H53703	Hs.86859	growth factor receptor-bound protein 7	GRB7	18460.45	
GF202	840503	AA485896	Hs.103331	ESTs		18459.5	2.08052691
GF203	364083	AA021628	Hs.25834	putative dimethyladenosine transferase	HSA9761	18451.07	1.88014137
GF201	279569	N48292	Hs.46849	ESTs		18428.53	
GF204	345752	W72400	Hs.28529	carcinoma associated	HOJ-1	18425.76	
GF202	796359	AA456140	Hs.99235	ESTs		18422.08	2.09262536
GF203	796539	AA460270	Hs.26833	midline 1 (Opitz/BBB syndrome)	MID1	18403.68	2.25735233
GF204	814107	AA465381	Hs.105072	ESTs, Weakly similar to B0041.5 [C.elegans]		18397.87	
GF201	770880	AA434404	Hs.74519	primase, polypeptide 2A (58kD)	PRIM2A	18394.16	
GF203	825785	AA505117	Hs.31438	KIAA0435 gene product	KIAA0435	18382.96	2.07388287

## APPENDIX A

GF203	826991	AA521371	Hs.3592	Hs.3592	ESTs	18381.28	2.11596207
GF203	713087	AA282922	Hs.9550	Hs.9550	ESTs	18362.65	1.92804688
Homo sapiens cDNA FLJ1191 fis, clone PLACE1007598, weakly similar to ZINC FINGER PROTEIN 184							
GF204	1638479	AI016074	Hs.21838	Hs.21838	Homo sapiens mRNA; cDNA DKFZp762H177 (from clone DKFZp762H177)	18351.76	
GF200	66919	T67474	Hs.52763	Hs.52763	ESTs	18338.14	1.222866224
GF202	304903	N92526	Hs.54802	Hs.54802	ESTs	18332.94	1.89499073
GF202	629968	AA219315	Hs.86835	Hs.86835	EST	18314.72	1.86753618
GF200	781050	AA446453	Hs.80686	Hs.80686	prefoldin 5	18309.23	1.21650072
GF204	472009	AA036723	Hs.26985	Hs.26985	KIAA0457 protein	18304.33	KIAA0457
GF203	277708	N49574	Hs.21542	Hs.21542	KIAA1035 protein	18301.47	KIAA1035
GF201	771294	AA443624	Hs.98570	Hs.98570	ESTs	18296.92	2.27212058
GF202	259870	N29850	Hs.44098	Hs.44098	ESTs	18285.9	1.65311962
GF200	120823	T95462	Hs.17575	Hs.259981	ESTs	18256.19	1.25752555
GF200	809784	AA454743	Hs.79361	Hs.79361	kallikrein 6 (neurosin, zyme)	18246.49	1.23118306
GF200	782543	AA448487	Hs.94466	Hs.208344	ESTs	18245.63	1.10344408
GF200	292519	N91311	Hs.31731	Hs.31731	antioxidant enzyme B166 ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6	18236.48	AOEB166
GF201	825312	AA504465	Hs.73851	Hs.73851		18209.64	ATP5J
Human DNA sequence from clone 109F14 on chromosome 6p21.2-21.3. Contains the alternatively spliced gene for Transcriptional Enhancer Factor TEF-5, the 60S Ribosomal Protein RPL10A gene, a PUTATIVE ZNF127 LIKE gene, and the PPARD for Peroxisome Proliferato							
GF204	1034691	AA779888	Hs.122124	Hs.203846		18182.68	

APPENDIX A

GF201	1049330	AA620859	Hs.119477	Hs.260039	sarcospan (Kras oncogene-associated gene)	SSPN	18176.04
GF204	1468010	AA883973	Hs.125528	Hs.125528	EST		18170.38
GF201	284783	N59866	Hs.32100	Hs.32100	ESTs, Weakly similar to putative p150 [H.sapiens]		18162.54
GF204	435696	AA699964	Hs.117358	Hs.117358	EST		18120.16
GF204	502446	AA156796	Hs.5297	Hs.5297	DKFZP564A2416 protein	DKFZP564A2416	18115.6
GF200	814731	AA455316	Hs.75305	Hs.75305	aryl hydrocarbon receptor-interacting protein	AIP	18109.27
GF200	759873	AA423944	Hs.64227	Hs.155545	37 kDa leucine-rich repeat (LRR) protein	P37NB	18106.71
GF203	383823	AA704650	Hs.35493	Hs.35493	ESTs		18104.68
GF202	252904	H89486	Hs.108806	Hs.108806	Homo sapiens mRNA; cDNA		
GF202	356940	W92738	Hs.103241	Hs.103241	DKFZp566M0947 (from clone DKFZp566M0947)		18097.98
					EST		18096.78
					Homo sapiens cDNA		
					FLJ10390 fis, clone		
					NT2RM4000104, moderately similar to ZINC FINGER		
GF200	172783	H20045	Hs.101750	Hs.133475	PROTEIN 135		18094.9
GF204	1048998	AA778636	Hs.126760	Hs.219647	ESTs		18078.81
GF200	809578	AA456616	Hs.76194	Hs.76194	ribosomal protein S5	RPS5	18025.18
GF201	281681	N48057	Hs.46808	Hs.46808	ESTs		17994.08
					similar to proline-rich protein		
GF202	753076	AA436479	Hs.98874	Hs.98874	48	LOC54518	17987.63
GF202	260259	H96791	Hs.42235	Hs.42235	EST		17977.56
GF203	433287	AA699714	Hs.117330	Hs.117330	ESTs		17951.93
					ESTs, Highly similar to R26660_1, partial CDS [H.sapiens]		
GF204	704237	AA279337	Hs.115210	Hs.180549	Homo sapiens mRNA; cDNA		17938.96
GF203	281191	N50983	Hs.29464	Hs.29464	DKFZp566C034 (from clone DKFZp566C034)		17926.97
GF203	192441	H39123	Hs.13228	Hs.13228	DRE-antagonist modulator; calsenilin	KCHIP3	17926.91
							2.07671582
							1.65108708

APPENDIX A

GF203	273536	N36927	Hs.43242	Hs.111515	DKFZP586I1023 protein ESTs, Moderately similar to similar to molybdoxin biosynthesis MOEB proteins [C.elegans]	DKFZP586I1023	17917.04	2.10152673
GF203	134408	R32014	Hs.126060	Hs.170737	HYA22 protein	HYA22	17894.66	1.87831292
GF200	123980	R01638	Hs.31389	Hs.147189	EST		17880.62	1.19421161
GF202	427677	AA001879	Hs.59890	Hs.259667	heat shock 70kD protein 5 (glucose-regulated protein, 78kD)		17857.71	1.38397637
GF204	878587	AA775255	Hs.10979	Hs.75410	nucleobindin 1	HSPA5	17848.02	
GF200	788472	AA452725	Hs.953	Hs.172609	alpha-2-plasmin inhibitor	NUCB1	17841.54	1.08385185
GF201	82195	T68859	Hs.1	Hs.159509	phosphatidylinositol glycan, class L	PLI	17822.13	
GF204	450114	AA703510	Hs.120993	Hs.120993	ESTs	PIGL	17812.15	
GF204	436531	AA703046	Hs.114160	Hs.114160	KIAA0224 gene product	KIAA0224	17792.35	1.00247791
GF200	809696	AA456352	Hs.78054	Hs.78054	EphA1	EPHA1	17754.4	1.13147186
GF200	305606	N90246	RG.35	Hs.89839	EphA1	EPHA1	17751.86	1.13147186
GF200	305606	N90246	Hs.89839	Hs.89839	KIAA0939 protein	KIAA0939	17751.86	1.13147186
GF204	49515	H15689	Hs.101722	Hs.12785	N-acetylglucosamine-phosphate mutase;		17742.42	
GF203	149406	H01516	Hs.101365	Hs.237323	DKFZP434B187 protein	DKFZP434B187	17727.27	2.35834215
GF201	257445	N27190	Hs.77917	Hs.77917	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	UCHL3	17720.28	
GF204	506514	AA708618	Hs.6119	Hs.6119	ESTs		17706.21	
GF202	287598	N62132	Hs.109730	Hs.269104	ESTs		17700.29	1.88105978
GF200	796253	AA460830	Hs.80475	Hs.80475	polymerase (RNA) II (DNA directed) polypeptide J (13.3kD)	POLR2J	17684.33	1.10306106
GF201	491186	AA137073	Hs.29980	Hs.25044	ESTs		17663.51	
GF201	433474	AA699560	Hs.3196	Hs.3196	surfeit 1	SURF1	17637.88	
GF201	296095	N73611	Hs.108714	Hs.79353	transcription factor Dp-1	TFDP1	17636.37	
					Homo sapiens cDNA FLJ10684 fis, clone NT2RP3000220			
GF203	307475	N93507	Hs.106861	Hs.106861			17618.04	1.49227819

APPENDIX A

GF200	725454	AA397813	Hs.83758	Hs.83758	CDC28 protein kinase 2	CKS2	17614.7	1.18966356
GF201	279970	N57553	Hs.1613	Hs.1613	adenosine A2a receptor	ADORA2A	17613.06	
					Human DNA sequence from clone CTB-1048E9 on chromosome 22 Contains an RPS3A (Ribosomal Protein S3A) pseudogene, the gene for a novel protein similar to ASPH (aspartate beta-hydroxylase, EC 1.14.1.16), the gene for anovel protein, ortholog of mouse tuftel Ric (Drosophila)-like, expressed in many tissues			
GF203	294089	N68512	Hs.6657	Hs.6657	POU domain, class 6, transcription factor 1	RIT	17590.91	2.41133392
GF200	469686	AA027840	Hs.96038	Hs.96038	Homo sapiens mRNA; cDNA DKFZp586N2119 (from clone DKFZp586N2119)		17544.99	1.12884399
GF201	289447	N63968	Hs.2815	Hs.2815	ESTs	POU6F1	17542.05	
GF204	1034494	AA779727	Hs.59561	Hs.204290	Homo sapiens mRNA; cDNA DKFZp434O071 (from clone DKFZp434O071)		17519.87	
GF202	505227	AA142923	Hs.71738	Hs.71738			17508	2.54699106
GF201	487087	AA045308	Hs.95265	Hs.7089			17495.6	
GF200	701751	AA284408	Hs.648	Hs.147049	cut (Drosophila)-like 1 (CCAAT displacement protein)	CUTL1	17471.2	1.15390458
GF204	878161	AA775448	Hs.121819	Hs.121819	EST		17467.23	
GF202	742859	AA406206	Hs.104746	Hs.104746	ESTs, Highly similar to NBL4		17466.14	1.71398462
GF204	1466628	AA883670	Hs.125486	Hs.125486	PROTEIN [M.musculus]		17462.99	
GF203	824150	AA490863	Hs.5663	Hs.5663	EST		17458.67	1.77106869
GF202	321389	W32281	Hs.109833	Hs.242463	ESTs		17447.84	1.59357115
					keratin 8	KRT8		
					ESTs, Weakly similar to trg [R.norvegicus]		17408.54	1.92766039
GF202	24822	R38919	Hs.106318	Hs.93560				



## APPENDIX A

GF203	486538	AA042812	Hs.7558	Hs.262823	cofactor required for Sp1 transcriptional activation, subunit 9 (33kD)	CRSP9	17407.53	1.8631601
GF200	840878	AA482324	Hs.75616	Hs.75616	KIAA0018 gene product	KIAA0018	17401.89	1.03513885
GF200	705274	AA280691	Hs.89979	Hs.115907	diacylglycerol kinase, delta (130kD)	DGKD	17369.97	1.30786937
GF202	1056260	AA621065	Hs.112943	Hs.112943	ESTs		17357.27	1.92131509
GF201	131012	R23148	Hs.23467	Hs.23467	Homo sapiens mRNA for KIAA1419 protein, partial cds		17341.5	
GF204	1055582	AA620887	Hs.109307	Hs.109307	ESTs		17322.2	
GF202	1048655	AA608907	Hs.112614	Hs.112614	EST		17310.72	2.1045103
GF202	773383	AA425755	Hs.20149	Hs.20149	leukemia associated gene 1, candidate tumor suppressor frequently deleted in B-cell chronic lymphocytic leukemia (B-CLL)	LEU1	17260.04	1.93533094
GF201	810229	AA464704	Hs.8765	Hs.8765	RNA helicase-related protein	RNAHP	17258.73	
GF202	780969	AA429859	Hs.78088	Hs.78088	ESTs		17247.19	1.76619509
GF200	135083	R33030	Hs.110029	Hs.183760	glucose regulated protein, 58kD	GRP58	17219.49	1.15337649
GF200	135083	R33030	Hs.84298	Hs.183760	glucose regulated protein, 58kD	GRP58	17219.49	1.15337649
GF203	823902	AA490494	Hs.65403	Hs.65403	hypothetical protein	LOC51323	17200.18	1.83849641
GF204	745060	AA626273	Hs.116146	Hs.32944	inositol polyphosphate-4-phosphatase, type I, 107kD	INPP4A	17199.25	
GF204	743754	AA634283	Hs.116240	Hs.116240	ESTs		17198.61	
GF203	768466	AA495950	Hs.94262	Hs.94262	p53-inducible ribonucleotide reductase small subunit 2 homolog	p53R2	17196.27	2.31191997
GF202	767187	AA424587	Hs.22983	Hs.22983	Homo sapiens mRNA; cDNA DKFZp434G1115 (from clone DKFZp434G1115); partial cds		17195.24	2.02251268
GF202	877664	AA488191	Hs.11197	Hs.11197	ESTs		17184.58	1.45998304
GF202	731039	AA421470	Hs.30744	Hs.111988	ESTs		17179.49	1.28939672
GF202	1031803	AA609657	Hs.112744	Hs.112744	ESTs		17176.44	1.7410243

APPENDIX A

GF201	265592	N21407	Hs.42994	Hs.74861	activated RNA polymerase II transcription cofactor 4	PC4	17167.87
					epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b) oncogene homolog)	EGFR	17158.88
GF200	324861	W48713	RG.41	Hs.77432	forkhead box F2	FOXF2	17158.29
GF201	310138	N98485	Hs.82320	Hs.44481	DR1-associated protein 1 (negative cofactor 2 alpha)	DRAP1	17142.01
GF200	754538	AA421977	Hs.79736	Hs.118724	Homo sapiens clone 23870 mRNA sequence		1.30893357
GF203	454459	AA677322	Hs.12460	Hs.12460	Homo sapiens mRNA; cDNA DKFZp434E2321 (from clone DKFZp434E2321); partial cds		1.30672996
GF204	590310	AA156269	Hs.29383	Hs.29383	ESTs		17120.27
GF203	175533	H41203	Hs.32501	Hs.32501	ESTs		17110.7
GF202	321536	W32470	Hs.55513	Hs.55513	ESTs		1.99670668
GF203	324674	W47106	Hs.29444	Hs.29444	ESTs		1.73239491
GF200	292522	N91307	Hs.38022	Hs.38022	ESTs		2.18773619
GF204	824915	AA489024	Hs.112218	Hs.112218	ESTs		1.06651578
GF203	713158	AA283087	Hs.89104	Hs.89104	ESTs		1.79018965
GF203	134662	R28191	Hs.24276	Hs.24276	ESTs		2.02087214
GF202	291222	N72196	Hs.50199	Hs.50199	EST		2.30765733
GF203	136169	R33402	Hs.120906	Hs.24633	ESTs		17020.94
					ESTs, Weakly similar to dJ425C14.2 [H.sapiens]		17019.31
GF201	770866	AA434390	Hs.8254	Hs.8254	Homo sapiens mRNA; cDNA DKFZp434P1514 (from clone DKFZp434P1514); partial cds		
GF201	810450	AA457117	Hs.105036	Hs.105036	EST		16990.8
GF204	1468268	AA884929	Hs.125693	Hs.125693	ESTs		16965.51
GF202	357264	W93585	Hs.59476	Hs.183114	insulin-like growth factor 2 (somatomedin A)		1.82150853
GF200	245330	N54596	Hs.822	Hs.251664	insulin-like growth factor 2 (somatomedin A)	IGF2	1.2880845
GF200	245330	N54596	Hs.75963	Hs.251664	glypican 5	IGF2	1.2880845
GF203	1416502	AA878391	Hs.76828	Hs.76828	ESTs	GPC5	2.51573899
GF202	276490	N39077	Hs.44935	Hs.169855			2.31824579

APPENDIX A

GF203	502436	AA134862	Hs.10494	Hs.10494	ESTs	16836.79	2.40487489
GF202	594500	AA164750	Hs.72499	Hs.231100	EST	16828.17	2.23128254
GF202	346972	W79425	Hs.58566	Hs.111515	DKFZP58611023 protein	16822.63	1.93018105
GF204	141548	R73089	Hs.101505	Hs.8352	ESTs	16813.38	
					NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2 (8kD, AGGG)		
GF204	487733	AA045239	Hs.13724	Hs.198272	NDUFB2	16807.7	
					Homo sapiens cDNA		
GF204	743724	AA629345	Hs.69388	Hs.69388	FLJ20505 fis, clone KAT09459	16775.27	
GF203	37728	R59489	Hs.26660	Hs.30991	KIAA0957 protein	16774.35	2.08620184
GF203	1469934	AA865342	Hs.87479	Hs.184592	KIAA0344 gene product	16772.08	1.76556397
					translocase of inner mitochondrial membrane 9 (yeast) homolog		
GF204	1603424	AA987943	Hs.108527	Hs.271934	TIMM9	16750.59	
					ESTs, Weakly similar to PHOSPHOLIPID		
					HYDROPEROXIDE		
					GLUTATHIONE		
GF201	324148	W46629	Hs.44426	Hs.44426	PEROXIDASE [H.sapiens]	16725.56	
GF201	342033	W60286	Hs.57772	Hs.57772	ESTs	16697.62	
					Homo sapiens cDNA		
					FLJ10450 fis, clone		
					NT2RP1000954, weakly similar to RING CANAL		
GF202	300055	N78929	Hs.109757	Hs.267604	PROTEIN	16693.4	2.40519272
GF203	430710	AA678084	Hs.13429	Hs.13429	Homo sapiens clone 24787 mRNA sequence	16693.23	1.63708712
					transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)		
GF200	199945	R97066	Hs.8265	Hs.8265	TGM2	16687.96	1.1280176
GF204	491612	AA115197	Hs.43220	Hs.183702	ESTs	16682.18	

APPENDIX A

GF204	295824	N74593	Hs.6525	Hs.5831	tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)	TIMP1	16636.76
GF201	377271	AA054954	Hs.84111	Hs.273229	Homo sapiens partial mRNA for NICE-4 protein, 3' end, clone 1056f5		16635.69
GF202	324396	W46773	Hs.83332	Hs.83332	ESTs		16612.96
GF204	1587933	AA939275	Hs.127215	Hs.172515	acetyl-Coenzyme A carboxylase alpha	ACACA	16610.2
GF204	773331	AA425436	Hs.10600	Hs.10600	ESTs, Weakly similar to ORF YKR081c [S.cerevisiae]		16594.05
GF203	703808	AA278320	Hs.67722	Hs.154729	3-phosphoinositide dependent protein kinase-1	PDPK1	16563.68
GF204	415489	W80455	Hs.4876	Hs.4876	DKFZP434D2135 protein	DKFZP434D2135	16548.63
GF200	841357	AA487452	Hs.91047	Hs.155344	DNA fragmentation factor, 45 kD, alpha subunit	DFFA	16543.78
GF200	824591	AA490991	Hs.808	Hs.808	heterogeneous nuclear ribonucleoprotein F	HNRPF	16542.28
GF204	1469249	AA865745	Hs.57691	Hs.57691	cadherin 18	CDH18	16541.95
GF203	280390	N49275	Hs.5484	Hs.270740	ESTs		16539.51
GF204	462729	AA705184	Hs.25717	Hs.25717	ESTs		16465.58
					ESTs, Weakly similar to !!!!		
					ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
GF200	124909	R06033	Hs.19583	Hs.117440	[H.sapiens]		16464.42
					superoxide dismutase 2, mitochondrial	SOD2	
GF201	840708	AA488084	Hs.73830	Hs.177781	ESTs		16457.34
GF201	262865	H99650	Hs.42714	Hs.42714	ESTs		16451.49
					ESTs, Weakly similar to serin protease with IGF-binding motif [H.sapiens]		
GF204	773558	AA428183	Hs.60440	Hs.60440	ESTs		16447.65
GF200	344133	W73792	Hs.103187	Hs.188138	ESTs		16443.2
GF203	845672	AA670160	Hs.17782	Hs.17782	ESTs		16431.88
GF202	289829	N63178	Hs.48728	Hs.48728	ESTs		16414.69
							2.64227316

APPENDIX A

ESTs, Moderately similar to !!!!

ALU SUBFAMILY SQ

WARNING ENTRY !!!!

GF203	435510	AA701368	Hs.131748	Hs.131748		16394.74	1.67599082
GF202	343977	W70074	Hs.103163	Hs.270552		16393.42	2.5831064
GF200	301061	W07798	Hs.78409	Hs.78409	COL18A1	16386.43	1.0473604
GF200	142851	R71531	Hs.107171	Hs.172216	CHGA	16386.21	1.1021908
GF204	391949	A1003610	Hs.103527	Hs.103527	SH2D2A	16381.21	
GF204	1583501	AA971563	Hs.128493	Hs.22129	DJ1042K10.2	16364.64	
GF204	897219	AA677513	Hs.62318	Hs.180895	KIAA0765	16350.67	
GF203	567055	AA131315	Hs.129132	Hs.129132	ESTs	16344.26	2.90788387
GF200	711826	AA281137	Hs.5174	Hs.278526	KIAA0019 gene product	16332.18	1.21279975
GF202	742562	AA401341	Hs.7765	Hs.7765	KIAA0477 gene product	16328.29	1.87916163
GF203	768248	AA424940	Hs.43590	Hs.43590	ESTs	16327.82	2.80277318
GF201	771233	AA443570	Hs.11607	Hs.11607	ESTs	16325.42	
GF200	309894	W23931	Hs.15744	Hs.15744	SH2-B homolog	16316.52	1.26337747
GF202	786504	AA452095	Hs.30663	Hs.50758	chromosome-associated polypeptide C	16315.42	1.93121832
GF203	256983	N30225	Hs.109044	Hs.78592	eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD)	16295.05	1.98417076
GF204	202154	H52503	Hs.114007	Hs.188577	ESTs	16275.13	
GF203	823867	AA490469	Hs.48752	Hs.48752	EIF2B1	16266.16	1.4109165

Human DNA sequence from

clone 224A6 on chromosome

1p35.1-36.23 Contains part of

a gene similar to Mouse Wnt-4

protein, the gene for CDC42

(cell division cycle 42 (GTP-

binding protein, 25kD)), ESTs,

STSs, GSSs and a CpG Island WNT-4

ESTs

active BCR-related gene

ABR

GF201	854746	AA630164	Hs.77322	Hs.146409		16260.76	
GF202	138378	R68189	Hs.118121	Hs.118121		16252.95	1.7871629
GF200	309993	W24076	Hs.118021	Hs.118021		16246.3	1.26014551

## APPENDIX A

[illegible]

APPENDIX A

GF204	884720	AA629559	Hs.114073	Hs.114073	ESTs solute carrier family 16 (monocarboxylic acid transporters), member 2 (putative transporter)		15887.61
GF200	773344	AA425612	Hs.75317	Hs.75317	ninjurin 1; nerve injury-induced protein-1	SLC16A2	15868.8
GF201	744917	AA625806	Hs.11342	Hs.11342	Homo sapiens cDNA FLJ10283 fis, clone HEMBB1001339, weakly similar to DXS8237E	NINJ1	15861.74
GF203	490789	AA133204	Hs.7393	Hs.7393	PROTEIN		15825.87
GF201	810002	AA454864	Hs.85015	Hs.85015	ESTs		15812.88
GF202	346942	W94289	Hs.124746	Hs.18079	N-acetylglucosaminyl transferase component Gpi1	GPI1	15797.51
GF204	700538	AA291169	Hs.99706	Hs.99706	EST		15792.62
GF204	251664	H97039	Hs.42339	Hs.42339	ESTs		15787.1
GF203	703526	AA278721	Hs.103104	Hs.103104	ESTs		15775.7
GF202	323269	W42746	Hs.55861	Hs.26334	KIAA1083 protein	KIAA1083	15771.52
GF201	203554	H56029	Hs.108145	Hs.176624	ESTs		15760.18
GF204	745283	AA625567	Hs.112094	Hs.112094	ESTs, Weakly similar to KIAA0961 protein [H.sapiens]		15751.46
GF200	824704	AA482198	Hs.75694	Hs.75694	mannose phosphate isomerase	MPI	15744.93
GF202	323611	W44508	Hs.55915	Hs.55915	ESTs		15733.83
GF200	290124	N90335	Hs.100486	Hs.9042	chromosome 21 open reading frame 1	C21orf4	15728.98
GF200	167032	R89715	Hs.2890	Hs.90037	ESTs		15724.42
GF204	745465	AA625966	Hs.60288	Hs.60288	ESTs		15693.91
GF203	449289	AA777714	Hs.121970	Hs.121970	EST		15683.97
GF203	738900	AA421701	Hs.123007	Hs.274424	N-acetylneuraminic acid phosphate synthase; sialic acid synthase (SAS)	SAS	15644.48
GF204	745520	AA626240	Hs.116137	Hs.111138	KIAA0712 gene product	KIAA0712	15633.85
GF201	376316	AA039640	Hs.75188	Hs.75188	wee1+ (S. pombe) homolog	WEE1	15632.42

[illegible]



APPENDIX A

GF200	841470	AA487346	Hs.76476	Hs.76476	cathepsin H	CTSH	15406.7	1.25365405
GF203	460792	AA708149	Hs.120994	Hs.120994	ESTs, Weakly similar to			
GF201	290597	N71692	Hs.25587	Hs.25587	Similarity to Human ADP/ATP		15399.23	1.6397706
GF202	951100	AA620462	Hs.43213	Hs.43213	carrier protein [C.elegans]		15391.59	
GF202	731292	AA416628	Hs.4055	Hs.4055	ESTs		15389.58	1.9331761
GF203	435694	AA699951	Hs.13751	Hs.13751	ESTs			
					core promoter element binding	COPEB		
					protein		15383.8	1.78209019
					ESTs		15371.57	2.10547474
					Homo sapiens cDNA			
					FLJ10875 fis, clone			
GF201	267458	N25240	Hs.108767	Hs.18851	NT2RP4001828		15360.11	
GF204	462829	AA705306	Hs.119888	Hs.176120	ESTs		15346.89	
GF204	1467309	AA884762	Hs.125679	Hs.241097	ESTs		15317.65	
					Homo sapiens mRNA; cDNA			
					DKFZp434O158 (from clone			
GF202	773242	AA425770	Hs.21867	Hs.24135	DKFZp434O158)		15288.8	2.57781994
GF202	238435	H64780	Hs.14574	Hs.211612	SEC24 (S. cerevisiae) related	SEC24A	15277.75	2.37903241
					gene family, member A			
					sphingosine-1-phosphate			
GF201	810944	AA459381	Hs.26827	Hs.186613	lyase 1	SGPL1	15277.29	
					aquaporin 1 (channel-forming			
GF201	51950	H24316	Hs.74602	Hs.74602	integral protein, 28kD)	AQP1	15276.18	
GF204	280065	N56942	Hs.48007	Hs.48007	ESTs		15260.42	
					TATA box binding protein			
					(TBP)-associated factor, RNA			
					polymerase II, N, 68kD (RNA-			
GF203	1474955	AA857343	Hs.66772	Hs.66772	binding protein 56)	TAF2N	15248.99	1.79750279
GF202	784041	AA443724	Hs.104864	Hs.104864	ESTs		15239.96	1.87711041
					minichromosome maintenance			
					deficient (S. cerevisiae) 5 (cell			
GF203	700721	AA285155	Hs.77171	Hs.77171	division cycle 46)	MCM5	15230.83	1.81379044
					chromosome 21 open reading			
GF202	257382	N30699	Hs.34136	Hs.34136	frame 6	C21ORF6	15212.13	2.43797204

APPENDIX A

GF200	754538	AA406285	Hs.118724	Hs.118724	DR1-associated protein 1 (negative cofactor 2 alpha) ESTs	DRAP1	15211.13	1.29144884
GF203	322221	W38020	Hs.131706	Hs.131706	ESTs		15205.57	1.36621182
GF203	277185	N40951	Hs.25063	Hs.25063	ESTs		15191.74	1.74803757
GF202	44075	H06236	Hs.12294	Hs.12294	ESTs		15189.97	1.83243434
					docking protein 1, 62kD (downstream of tyrosine kinase 1)	DOK1	15155.55	
GF201	504673	AA142943	Hs.103854	Hs.103854	ZYG homolog	ZYG	15120.69	
					Homo sapiens cDNA			
GF204	868590	AA664363	Hs.83642	Hs.239720	FLJ20655 fis, clone KAT01590 galactosylceramidase (Krabbe disease)	GALC	15119.29	
GF200	415698	W85914	Hs.273	Hs.273	adenosine monophosphate deaminase 1 (isoform M)	AMPD1	15099.64	1.01008233
GF201	562813	AA086476	Hs.89570	Hs.89570	DNA segment on chromosome 12 (unique) 2489 expressed sequence		15098.9	
GF200	725473	AA397819	Hs.74085	Hs.74085	folistatin	D12S2489E	15096.37	1.21511304
GF203	434768	AA701860	Hs.9914	Hs.9914	ESTs	FST	15084.55	2.12047333
GF202	49203	H15695	Hs.107515	Hs.107515	ESTs		15078.8	1.89892746
GF201	490329	AA127741	Hs.61345	Hs.61345	RU2S	RU2	15069.06	
GF202	343097	W67493	Hs.57874	Hs.57874	ESTs		15060.69	1.62641554
GF202	417760	W88720	Hs.59196	Hs.59196	EST		15047.89	2.46424945
GF203	433656	AA699313	Hs.114071	Hs.114071	ESTs		15040.66	1.84673213
GF203	42003	R59585	Hs.101255	Hs.101255	ESTs		14984.86	2.8276818
					CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 1	CD36L1	14928.54	
GF201	756687	AA443899	Hs.75284	Hs.180616	ESTs		14924.01	
GF201	271229	N34563	Hs.42810	Hs.205024	inositol polyphosphate-4- phosphatase, type I, 107kD	INPP4A	14916.94	2.16981342
GF203	435013	AA700042	Hs.74876	Hs.32944	Human Hox5.4 gene fragment brain-derived neurotrophic factor		14915.26	2.29618729
GF202	347726	W81371	Hs.58659	Hs.58659			14912.6	1.26094094
GF200	668851	AA262988	Hs.56023	Hs.56023		BDNF		

APPENDIX A

GF202	260168	N32071	Hs.42278	Hs.42278	ESTs	14897.03	1.65703955
GF202	40107	R52634	Hs.25934	Hs.25934	ESTs, Weakly similar to HISTONE H1D [H.sapiens]	14866.01	2.19951362
GF204	294200	N71396	Hs.113579	Hs.78825	matrin 3	14864.6	
GF202	252382	H87106	Hs.21637	Hs.121068	transmembrane 4 superfamily member 6	14860.46	1.77197023
GF204	1623210	AA992668	Hs.6168	Hs.6168	KIAA0703 gene product	14859	
					Homo sapiens clone 23568, 23621, 23795, 23873 and 23874 mRNA sequences		
GF200	144747	R76247	Hs.12520	Hs.12520		14856.05	1.21986097
GF203	430314	AA010605	Hs.2899	Hs.166456	ESTs, Highly similar to 4-HYDROXYPHENYLPYRUVAT E DIOXYGENASE [H.sapiens]	14855.53	1.4643402
GF204	1553640	AA962613	Hs.4200	Hs.4200	Homo sapiens chromosome 19, cosmid R32184	14843.19	
GF200	134544	R27585	Hs.82159	Hs.82159	proteasome (prosome, macropain) subunit, alpha type, 1	14842.15	1.12622774
GF202	1031598	AA609474	Hs.112713	Hs.112713	PSMA1	14838.54	1.86333691
					EST		
GF201	259462	N29545	Hs.3569	Hs.3569	Human DNA sequence from clone 967N21 on chromosome 20p12.3-13. Contains the CHGB gene for chromogranin B (secretogranin 1, SCG1), a pseudogene similar to part of KIAA0172, the gene for a novel protein similar to predicted worm, yeast and plant proteins,	14819.67	
GF201	283375	N52765	Hs.12823	Hs.125116	calcium channel, voltage-dependent, alpha 1I subunit	14805.06	
GF201	278859	N66607	Hs.49158	Hs.30528	Homo sapiens paired mesoderm homeo box 1 (PMX1), mRNA	14750.96	

APPENDIX A

GF200	774036	AA441895	Hs.11465	glutathione-S-transferase like ESTs	GSTTLp28	14730.73	1.19163984
GF204	825327	AA504479	Hs.79788			14697.69	
GF200	345423	W76032	Hs.107942	DKFZP564M112 protein	DKFZP564M112	14681.54	1.19278813
GF202	743322	AA400592	Hs.12929	ESTs		14676.79	2.19175936
GF201	340519	W51951	Hs.77545	dCMP deaminase	DCTD	14674	
				neutral sphingomyelinase (N-SMase) activation associated factor			
GF201	376644	AA046107	Hs.95290	factor	NSMAF	14654.4	
GF203	669375	AA253464	Hs.40499	dicckopf-1 like	SK	14650.89	1.82083285
				Homo sapiens mRNA; cDNA			
GF204	743688	AA629324	Hs.116324	DKFZp434P0626 (from clone DKFZp434P0626)		14644.19	
GF203	220479	H87273	Hs.100688	ESTs		14643.65	1.50478789
GF204	745438	AA625852	Hs.119150	ESTs		14633.13	
GF202	613113	AA190906	Hs.58111	ESTs		14620.12	2.35424512
GF203	1240577	AA781035	Hs.122707	ESTs		14611.47	2.17573899
GF203	823850	AA490456	Hs.72217	DKFZP564G013 protein	DKFZP564G013	14595.36	2.38728397
GF200	711552	AA280924	Hs.88778	carbonyl reductase 1	CBR1	14592.11	1.22513078
GF202	594731	AA172053	Hs.127576	KIAA0431 protein	KIAA0431	14589.9	1.66679509
				ESTs, Highly similar to early B-cell factor [M.musculus]			
GF204	1527066	AA917497	Hs.126716			14585.32	
				ESTs, Weakly similar to KIAA0585 protein [H.sapiens]			
GF202	743220	AA400122	Hs.87562			14574.05	1.91832497
				serine protease inhibitor, Kunitz type, 2	SPINT2		
GF200	814378	AA459039	Hs.31439	splicing factor 3a, subunit 1, 120kD		14557.52	1.23357053
				ESTs	SF3A1		
GF200	108667	T72698	Hs.21729			14546.29	1.20778042
GF202	1049284	AA620747	Hs.112896	ESTs		14546.16	2.20335287
GF201	324088	AA284301	Hs.55961	ESTs		14545.79	
				ESTs, Weakly similar to protein Htr9C [M.musculus]			
GF202	322652	W15487	Hs.107593			14524.38	2.2749873
GF203	506497	AA708621	Hs.20733	EH domain containing 2	EHD2	14516.65	1.38781364
GF202	283348	N51444	Hs.47262	EST		14514.11	1.96014841

APPENDIX A

GF204	1035730	AA629092	Hs.25661	Hs.25661	ESTs, Weakly similar to !!!! ALU CLASS F WARNING ENTRY !!!! [H.sapiens] ESTs, Moderately similar to TRANSCRIPTION FACTOR BTF3 [H.sapiens] ESTs ESTs ESTs	14494.25	1.6568269 1.75759532 2.16276442
GF202	753625	AA479954	Hs.111081	Hs.93748	alkylation repair; alkB homolog ABH	14486.92	1.6568269
GF202	781475	AA432127	Hs.98679	Hs.98679	EST	14479.42	1.75759532
GF204	824233	AA491247	Hs.105282	Hs.105282	Homo sapiens mRNA for KIAA1140 protein, partial cds	14462.56	
GF203	682064	AA256461	Hs.36676	Hs.36676	nuclear factor of activated T- cells, cytoplasmic 3	14452.67	2.16276442
GF201	1031747	AA609609	Hs.54418	Hs.54418	ATP synthase, H+	14451.72	
GF202	261453	H99033	Hs.53672	Hs.53672	transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 1	14439.2	1.77763015
GF203	824533	AA490904	Hs.25600	Hs.131728	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2	14430.67	2.76340007
GF203	137457	R38306	Hs.2371	Hs.172674	SMARCD2	14408.29	1.42646916
GF201	487373	AA046701	Hs.80986	Hs.80986	EST	14407.01	
GF200	741067	AA478436	Hs.64264	Hs.250581	proteasome (prosome, macropain) subunit, alpha type, 2	14400.29	2.78989366
GF204	897259	AA677647	Hs.117074	Hs.117074	ESTs	14399.1	
GF203	768619	AA425345	Hs.18585	Hs.18585	ESTs	14396.45	1.89301113
GF202	263084	H99829	Hs.42746	Hs.42746	ESTs	14362.78	1.88378657
GF202	251514	H96597	Hs.93530	Hs.166852	ESTs	14362.22	1.65971269
GF204	366104	AA071518	Hs.117132	Hs.181309	PSMA2	14357.79	
GF202	950464	AA599099	Hs.61235	Hs.204200	ESTs	14353.53	1.9358052
GF202	289865	N62079	Hs.94113	Hs.94113	EST	14352.03	1.84061042
GF201	490387	AA120779	Hs.106351	Hs.169832	zinc finger protein 42 (myeloid- specific retinoic acid- responsive)	14344.46	

APPENDIX A

GF202	261408	H98967	Hs.42607	Hs.42607	ESTs	14341.25	1.27277183
GF203	279668	N48318	Hs.16506	Hs.16506	ESTs	14340.7	1.86810835
GF203	786053	AA448653	Hs.17240	Hs.17240	ESTs	14332.71	2.23706082
GF204	1292470	AA718934	Hs.120354	Hs.120354	ESTs	14315.42	
GF200	815294	AA481547	Hs.89801	Hs.155975	protein tyrosine phosphatase, receptor type, c polypeptide-associated protein	14307.87	1.17021471
GF200	823900	AA490493	Hs.75520	Hs.24340	centaurin beta2	14292.84	1.28587314
GF201	298063	N70739	Hs.46537	Hs.46537	Homo sapiens mRNA; cDNA DKFZp586K1721 (from clone DKFZp586K1721)	14285.57	
GF201	290057	N59373	Hs.44839	Hs.26812	ESTs	14270.23	
GF202	1055566	AA620829	Hs.44625	Hs.44625	ESTs	14256.54	1.6909044
GF200	840364	AA485626	Hs.85111	Hs.172673	S-adenosylhomocysteine hydrolase	14238.42	1.25863652
GF201	590264	AA155913	Hs.75742	Hs.75742	matrix Gla protein	14219.76	
GF201	298062	N70734	Hs.89749	Hs.89749	troponin T2, cardiac	14197.88	
GF200	726147	AA293050	Hs.75217	Hs.75217	mitogen-activated protein kinase kinase 4	14163.47	1.24537178
GF203	683794	AA237005	Hs.104298	Hs.104298	ESTs	14153.36	2.18970589
GF203	898161	AA598548	Hs.112471	Hs.112471	ESTs	14151.92	2.82388173
GF200	416280	W86100	RG.51	Hs.1334	v-myb avian myeloblastosis viral oncogene homolog	14139.02	1.19943265
GF202	795766	AA460307	Hs.123848	Hs.123848	ESTs	14133.85	1.98327139
GF204	147252	R80933	Hs.29977	Hs.29977	ESTs	14133.31	
GF202	782266	AA431734	Hs.104915	Hs.104915	ESTs	14132.2	1.70627854
GF201	293964	N66053	Hs.16216	Hs.167740	butyrophilin, subfamily 3, member A1	14129.05	
GF202	795369	AA453272	Hs.105133	Hs.105133	ESTs	14122.06	2.0076009
GF202	357084	W92994	Hs.59404	Hs.59404	ESTs	14101.24	1.98706282
GF204	1276342	AA693501	Hs.112063	Hs.239676	ESTs	14084.88	
GF204	878469	AA670390	Hs.116707	Hs.239108	ESTs	14065.27	
GF202	488913	AA047373	Hs.62861	Hs.159236	microfibrillar-associated protein 3	14055.37	2.19793034
GF201	770848	AA427735	Hs.28832	Hs.173699	ESTs	14051.24	

APPENDIX A

GF203	768366	AA495788	Hs.105358	Hs.105358	ESTs	14049.34	1.67128671
GF203	1239845	AA705977	Hs.87767	Hs.87767	ESTs	14000.74	1.37113631
GF201	809425	AA458460	Hs.19566	Hs.165428	ESTs	13998.96	
GF201	344618	W74725	Hs.42861	Hs.277501	calcium binding atopy-related autoantigen 1	13984.21	
GF201	345469	W72525	Hs.58115	Hs.173077	ESTs	13974.81	
GF202	796548	AA460266	Hs.22969	Hs.22969	ESTs	13972.54	1.59830055
GF200	770377	AA427472	Hs.73067	Hs.267871	ATPase, H+ transporting, lysosomal (vacuolar proton pump) non-catalytic accessory protein 1A (110/116kD)	13953.17	1.18677611
GF200	770377	AA427472	Hs.118855	Hs.267871	ATPase, H+ transporting, lysosomal (vacuolar proton pump) non-catalytic accessory protein 1A (110/116kD)	13953.17	1.18677611
GF203	878467	AA670389	Hs.81505	Hs.81505	KIAA0579 protein	13947.3	1.70475463
GF201	487921	AA045286	Hs.55014	Hs.55014	Homo sapiens cDNA FLJ10206 fis, clone HEMBA1004972	13921.04	
GF203	428184	AA001709	Hs.30029	Hs.30029	ESTs	13907.51	1.23896977
GF200	296498	W00987	Hs.36218	Hs.36218	forminotransferase cyclodeaminase	13902.92	1.20112865
GF204	347351	W81654	Hs.21135	Hs.201671	SRY (sex determining region Y)-box 13	13891.26	
GF203	30077	R42543	Hs.100867	Hs.133863	ESTs	13890.51	2.01454874
GF200	810725	AA480826	Hs.7476	Hs.7476	ATPase, H+ transporting, lysosomal (vacuolar proton pump) 21kD	13886.77	1.12529223
GF204	703637	AA278633	Hs.110426	Hs.182591	RAS guanyl releasing protein 1 (calcium and DAG-regulated)	13871.52	
GF204	344937	W72885	Hs.50601	Hs.50601	ESTs	13858.54	
GF204	1630990	AI018613	Hs.2401	Hs.183698	ribosomal protein L29	13855.49	
GF204	455136	AA676812	Hs.114441	Hs.187824	ESTs	13829.36	

Figure 1. The effect of the concentration of the *Agrobacterium* strain on the transformation efficiency of *Agrobacterium* strain 101. The *Agrobacterium* strain 101 was cultured in YEA medium for 24 h at 28 °C. The cell concentration was adjusted to 1.0 × 10<sup>8</sup> cells/ml. The cell suspension was mixed with the plant extract and the mixture was incubated for 2 h at 28 °C. The mixture was then inoculated into the plant tissue. The plant tissue was cultured in YEA medium for 24 h at 28 °C. The transformation efficiency was determined by the number of transformants per 10<sup>8</sup> cells. The data are the mean ± SD of three independent experiments. \* indicates a significant difference (p < 0.05) from the control.

## APPENDIX A

GF203	666172	AA233643	Hs.87170	Hs.228084	ESTs Homo sapiens mRNA; cDNA DKFZp434M1827 (from clone DKFZp434M1827) Human clone A9A2BRB6 (CAC)n/(GTG)n repeat- containing mRNA TBP-like 1 glutathione S-transferase M4 ESTs ESTs ESTs, Moderately similar to rig- 1 protein [M.musculus] ESTs ESTs ESTs cysteine-rich, angiogenic inducer, 61 ESTs	13822.11	1.52249976
GF202	743219	AA400129	Hs.65735	Hs.65735		13820.78	1.51294229
GF200	705188	AA281346	Hs.15334	Hs.169078		13786.87	1.178003
GF201	782756	AA448001	Hs.13993	Hs.13993	TBPL1	13784.29	
GF200	840990	AA486669	Hs.82891	Hs.5233	GSTM4	13756.79	1.18556939
GF201	324946	AA284281	Hs.102376	Hs.194154		13745.04	
GF200	122796	T99671	Hs.18566	Hs.18566		13744.93	1.26222085
GF200	300632	N80769	Hs.25477	Hs.25477		13723.29	1.18545454
GF204	1475703	AA872679	Hs.125217	Hs.125217		13720.21	
GF203	435736	AA700772	Hs.114941	Hs.114941		13709.72	2.31509315
GF202	256680	H96392	Hs.42315	Hs.42315		13702.16	1.96087722
GF203	378488	AA777187	Hs.8867	Hs.8867	CYR61	13701.14	1.37662751
GF203	39322	R51386	Hs.101105	Hs.124881		13691.98	2.79058183
GF202	742590	AA401470	Hs.49797	Hs.49797	Human DNA sequence from clone RP4-622L5 on chromosome 1p34.2-36.11. Contains the gene for importin alpha 7 (karyopherin), up to six novel genes and the 5' end of the EIF3S2 gene for eukaryotic translation initiation factor 3 beta. Contains ESTs, STSSs, GSS ESTs	13671.76	1.42940725
GF202	1049343	AA620877	Hs.112886	Hs.112886		13665.88	1.92150027
GF201	773286	AA425299	Hs.3354	Hs.184276	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1	13662.09	SLC9A3R1



102040" 8646860

## APPENDIX A

GF203	399513	AA733195	Hs.19385	Hs.19385	ESTs, Highly similar to CGI-58 protein [H.sapiens]	13653.71	1.714285
GF204	1470474	AA864350	Hs.27628	Hs.266933	hect domain and RLD 2	13651.84	
GF204	1292042	AA707523	Hs.120023	Hs.120023	ESTs	13650.88	
GF203	815835	AA485249	Hs.10927	Hs.10927	Homo sapiens chromosome 19, cosmid R33729	13602.34	1.5780072
GF201	290391	N64519	Hs.34650	Hs.34650	ESTs	13598.45	
GF204	1472479	AA872257	Hs.5324	Hs.5324	hypothetical protein	13594.57	
GF203	324451	W52104	Hs.79995	Hs.172466	ESTs, Weakly similar to KIAA0775 protein [H.sapiens]	13588.76	2.05010745
GF201	811582	AA454597	Hs.7704	Hs.182793	golgi membrane protein GP73	13587.46	
					LOC51280		
					Homo sapiens mRNA; cDNA		
GF202	951068	AA620437	Hs.7921	Hs.7921	DKFZp566E183 (from clone DKFZp566E183)	13583.69	2.27299428
GF202	280291	N47961	Hs.46794	Hs.46794	ESTs	13566.47	2.14273609
GF203	399138	AA774606	Hs.121682	Hs.121682	ESTs	13556.84	1.90610136
GF200	306806	W24055	Hs.7988	Hs.7988	ESTs	13550.15	1.28099907
GF201	325057	AA284237	Hs.89319	Hs.89319	ESTs	13541.67	
GF201	810502	AA457155	Hs.25998	Hs.108139	zinc finger protein 212	13514.15	
					proteasome (prosome, macropain) subunit, beta type, 6		
GF200	529861	AA070997	Hs.77060	Hs.77060	PSMB6	13507.76	1.2841547
GF203	815036	AA465148	Hs.72402	Hs.72402	ESTs	13496.95	2.74520696
GF202	264400	N21217	Hs.42961	Hs.111515	DKFZP58611023 protein	13492.53	2.05895739
GF200	322561	W15277	Hs.76317	Hs.184014	ribosomal protein L31	13490.68	1.48206153
					Homo sapiens mRNA for KIAA1432 protein, partial cds		
GF202	590338	AA156054	Hs.108957	Hs.108957	Homo sapiens mRNA; cDNA	13488.45	2.25118407
					DKFZp434D1227 (from clone DKFZp434D1227)		
GF202	32096	R42699	Hs.5107	Hs.172789		13483.44	2.09517629
					p21/Cdc42/Rac1-activated kinase 1 (yeast Ste20-related)		
GF203	1405689	AA890663	Hs.62402	Hs.62402	PAK1	13455.02	2.06732319

## APPENDIX A

GF203	647420	AA199650	Hs.25744	Hs.25744	Novel human gene mapping to chromosome 22	13453.2	1.69163243
GF204	1472146	AA873575	Hs.311	Hs.311	phosphoribosyl pyrophosphate amidotransferase	13444.6	
GF200	713839	AA284693	Hs.3005	Hs.3005	transcription factor AP-4 (activating enhancer-binding protein 4)	13430.33	1.18083991
GF202	42009	R60713	Hs.12807	Hs.12807	ESTs	13420.59	2.33080907
GF200	823679	AA489736	Hs.11175	Hs.153498	chromosome 18 open reading frame 1	13404.58	1.20021579
GF200	470061	AA029041	Hs.20191	Hs.20191	seven in absentia (Drosophila) homolog 2	13396.12	1.1570323
GF202	795837	AA461511	Hs.112145	Hs.112145	ESTs, Weakly similar to GOLGIN-95 [H.sapiens]	13375.21	1.52057652
GF204	855583	AA664228	Hs.118788	Hs.111515	DKFZP586I1023 protein	13369.22	
GF202	285681	N67578	Hs.49359	Hs.49359	ESTs	13366.32	1.42191725
GF202	30371	R41450	Hs.6546	Hs.6546	ESTs	13364.68	1.85321878
GF202	625458	AA181149	Hs.10463	Hs.10463	ESTs, Weakly similar to C44C1.2 gene product	13353	1.74148842
GF203	704407	AA279628	Hs.88643	Hs.86693	[C.elegans]	13342.22	1.46435458
GF203	826324	AA521103	Hs.8688	Hs.8688	ESTs	13340.86	2.34453415
GF201	321972	W37793	Hs.26342	Hs.169728	ESTs	13332.74	
GF203	813385	AA458633	Hs.99409	Hs.99409	ESTs	13326.31	1.86347634
GF200	80399	T65902	Hs.73737	Hs.73737	splicing factor, arginine/serine-rich 1 (splicing factor 2, alternate splicing factor)	13293.79	1.26451206
GF202	290180	N62212	Hs.48486	Hs.48486	EST	13292.08	1.9267746
GF204	745393	AA625764	Hs.116075	Hs.116075	EST	13291.38	
GF204	1606837	AA996028	Hs.75432	Hs.75432	IMP (inosine monophosphate) dehydrogenase 2	13272.17	
GF201	289757	N62985	Hs.29302	Hs.29302	ESTs	13268.68	

APPENDIX A

GF201	323796	AA284296	Hs.103071	Hs.272168	tumor differentially expressed 1	TDE1	13261.59
GF203	855799	AA664067	Hs.111818	Hs.250899	heat shock factor binding protein 1	HSBP1	13257.79
GF203	752752	AA417899	Hs.29032	Hs.29032	ESTs		13233.52
GF201	281164	N50963	Hs.30078	Hs.11449	DKFZP564O123 protein	DKFZP564O123	13228.47
GF204	1292847	AA776718	Hs.115149	Hs.191986	ESTs, Weakly similar to cDNA EST EMBL:Z14731 comes from this gene [C.elegans]		13222.43
GF202	731019	AA421264	Hs.33719	Hs.33719	ESTs		13222.01
GF204	51097	H18444	Hs.101516	Hs.101516	BAI1-associated protein 3	BAIAP3	13221.8
GF202	309638	N94447	Hs.55047	Hs.55047	EST		13213.46
GF204	884727	AA629570	Hs.116738	Hs.241419	Homo sapiens mRNA for KIAA1337 protein, partial cds		13208.16
GF204	878333	AA670315	Hs.35726	Hs.155637	protein kinase, DNA-activated, catalytic polypeptide	PRKDC	13196.81
GF202	290142	N63278	Hs.48751	Hs.48751	EST		13191.88
GF200	245806	N73201	Hs.47433	Hs.215113	ESTs		13191.82
GF200	143227	R74078	Hs.9645	Hs.9645	ESTs		13178.58
GF201	1031045	AA609880	Hs.79105	Hs.1176	solute carrier family 4, anion exchanger, member 3	SLC4A3	13157.5
GF202	340903	W57774	Hs.103110	Hs.103110	ESTs		13154.34
GF200	131029	R23222	Hs.23477	Hs.160244	ESTs		13152.76
GF203	433294	AA699707	Hs.125103	Hs.125103	ESTs		13151.9
GF201	282663	N50056	Hs.47011	Hs.47011	ESTs		13149.82
GF203	815231	AA481266	Hs.31443	Hs.67991	Homo sapiens cDNA FLJ10880 fis, clone		13148.26
GF202	625764	AA188366	Hs.110454	Hs.110454	NT2RP4001901 SEC15 (S. cerevisiae)-like	SEC15L	13141.73
							2.09243551
							2.26326836

## APPENDIX A

[illegible]

702020" 86226860

## APPENDIX A

GF201	257096	N30792	Hs.42260	Hs.157078	Homo sapiens mRNA full length insert cDNA clone	13022.71	
GF201	769959	AA430540	Hs.75617	Hs.75617	EUROIMAGE 566443	13014.99	
					collagen, type IV, alpha 2		COL4A2
					solute carrier family 16 (monocarboxylic acid transporters), member 1		SLC16A1
GF201	486175	AA043133	Hs.75231	Hs.75231	neurotrophic tyrosine kinase, receptor, type 2	13007.9	
GF201	289428	N63949	Hs.47860	Hs.47860	peptidylprolyl isomerase F (cyclophilin F)	12996.96	NTRK2
GF200	43884	H05580	Hs.7166	Hs.173125	ESTs	12989.24	PPIF
GF204	470035	AA029186	Hs.14060	Hs.14060	platelet/endothelial cell adhesion molecule (CD31 antigen)	12988.96	
GF200	130541	R22412	Hs.78146	Hs.78146	ESTs, Weakly similar to isopentenyl-diphosphate Delta-isomerase [H.sapiens]	12979.65	PECAM1
GF202	32309	R42713	Hs.106518	Hs.9270	ribosomal protein S27 (metallopanstimulin 1)	12959.46	
GF203	1475028	AA857413	Hs.109940	Hs.195453	ESTs	12953.22	RPS27
GF203	258101	N30348	Hs.22968	Hs.22968	annexin A9	12938.07	
GF203	768570	AA425022	Hs.104871	Hs.3346	Homo sapiens clone 24837 mRNA sequence	12927.44	ANXA9
GF203	290050	N64669	Hs.13531	Hs.13531	connector enhancer of KSR-like (Drosophila kinase suppressor of ras)	12917.57	
GF202	592200	AA155574	Hs.72093	Hs.172702	ESTs	12895.65	
					like (Drosophila kinase suppressor of ras)		CNK1
GF201	810890	AA459278	Hs.16232	Hs.16232	accessory proteins	12893.3	
GF202	950983	AA620401	Hs.83286	Hs.83286	BAP31/BAP29	12886.43	
GF201	725877	AA292226	Hs.79188	Hs.181373	ESTs	12879.05	DXS1357E
GF204	824794	AA489069	Hs.105224	Hs.105224	5-hydroxytryptamine (serotonin) receptor 2B	12867.84	
GF201	272690	N36174	Hs.82371	Hs.2507	EST	12861.82	HTR2B
GF202	276361	N40165	Hs.45043	Hs.45043	KIAA0015 gene product	12860.67	
GF203	451855	AA706929	Hs.118728	Hs.278441		12844.55	KIAA0015

[illegible]

## APPENDIX A

GF201	503468	AA128316	Hs.90918	Hs.90918	defensin, alpha 1, myeloid-related sequence	DEFA1	12685.66
GF202	291129	N72150	Hs.50193	Hs.50193	EST		12678.14
GF201	320865	W44766	Hs.107175	Hs.124740	ESTs		12665.59
GF201	502405	AA157001	Hs.12065	Hs.12065	ESTs		12658.9
<hr/>							
Human DNA sequence from clone 71L16 on chromosome Xp11. Contains a probable Zinc Finger protein (pseudo)gene, an unknown putative gene, a pseudogene with high similarity to part of antigen KI-67, a putative Chondroitin 6-Sulfotransferase							
GF201	324664	W47116	Hs.103080	Hs.154353	LIKE gene and a K		12652.3
GF204	41225	R56808	Hs.26579	Hs.26579	ESTs		12631.3
ESTs, Moderately similar to !!! ALU SUBFAMILY SQ WARNING ENTRY !!!!							
GF201	261163	H98201	Hs.53644	Hs.53644	[H.sapiens]		12622.82
GF201	788764	AA449982	Hs.57690	Hs.57690	crystallin, beta A4	CRYBA4	12621.09
GF203	701602	AA287041	Hs.96617	Hs.96617	ESTs		12604.74
GF201	52957	H29535	Hs.22248	Hs.22248	ESTs		12600.83
<hr/>							
GF203	809998	AA454854	Hs.114921	Hs.75733	amylase, alpha 2B; pancreatic	AMY2B	12591.58
Homo sapiens mRNA; cDNA DKFP434I143 (from clone DKFP434I143)							
GF203	647985	AA207105	Hs.104149	Hs.45068	Homo sapiens cDNA FLJ20350 fis, clone HEP13972, highly similar to Z184_HUMAN ZINC FINGER PROTEIN 184		12589.46
<hr/>							
GF201	377246	AA055215	Hs.29853	Hs.59053	KIAA0420 gene product	KIAA0420	12582.22
GF201	183103	H42894	Hs.117710	Hs.129883	ESTs		12569.71
GF204	159535	H15812	Hs.31383	Hs.31383			12565.52

102020" 8626860

## APPENDIX A

GF200	771258	AA443649	Hs.85258	Hs.85258	CD8 antigen, alpha polypeptide (p32)	CD8A	12562.1	1.17792786
GF202	813644	AA447734	Hs.44143	Hs.44143	ESTs, Weakly similar to SNF2alpha protein [H.sapiens] DNA segment on chromosome 6 (unique) 49 expressed sequence		12541.88	2.58158086
GF201	297895	N70057	Hs.97233	Hs.88411		D6S49E	12540.28	
GF202	782155	AA431196	Hs.121696	Hs.79457	Homo sapiens cDNA FLJ20519 fis, clone KAT10365		12527.18	2.2557782
GF200	612274	AA180912	Hs.75318	Hs.75318	tubulin, alpha 1 (testis specific) TUBA1 Human DNA sequence from intron 22 of the factor VIII gene, Xq28. Contains the end of a 9.5kb repeated region, int22h-1, involved in many cases of haemophilia		12506.87	1.32656893
GF203	450375	AA703660	Hs.98602	Hs.98602	EST		12499.89	1.89784336
GF204	745435	AA625860	Hs.116094	Hs.238535	ESTs		12498.1	
GF201	290231	N62273	Hs.44603	Hs.41272			12488.46	
GF200	284734	N59851	Hs.75850	Hs.75850	WAS protein family, member 1 WASF1		12481.22	1.12667693
GF203	855406	AA664003	Hs.17235	Hs.17235	ESTs		12478.36	1.53377084
GF202	1049173	AA620682	Hs.112883	Hs.165384	ESTs		12474.04	1.71135722
GF202	257902	N27023	Hs.43879	Hs.43879	ESTs, Weakly similar to GAGE-7 [H.sapiens]		12473.19	1.90599186
GF200	772111	AA405458	Hs.70257	Hs.173035	KIAA0300 protein	KIAA0300	12447.4	1.10533857
GF201	345152	W72227	Hs.58217	Hs.58217	ESTs		12444.85	
GF203	768417	AA495835	Hs.103839	Hs.103839	differentially expressed in adenocarcinoma of the lung	KIAA0987	12437.47	1.7852208
GF202	839746	AA504894	Hs.8859	Hs.8859	ESTs		12423	2.19910338
GF202	280156	N47009	Hs.102617	Hs.102617	EST		12419.18	1.76347411
GF200	825323	AA504554	Hs.31053	Hs.31053	cytoskeleton-associated protein 1	CKAP1	12418.11	1.1351905
GF201	300661	N80848	Hs.43005	Hs.43005	RAB9-like protein	LOC51209	12416.44	



APPENDIX A

GF200	235056	H79234	Hs.78019	Hs.78019	Homo sapiens clone 24432	12395.27	1.16691293
GF202	294321	N70907	Hs.49946	Hs.230619	mRNA sequence	12394.17	1.4080512
GF203	203022	H54304	Hs.119582	Hs.114012	EST	12376.47	1.37349492
GF204	449498	AA777926	Hs.121991	Hs.173714	Homo sapiens mRNA for KIAA1218 protein, partial cds	12370.39	1.46829794
GF203	384252	AA702094	Hs.114100	Hs.262061	MORF-related gene X	12359.21	2.54354024
GF202	321905	W37683	Hs.55080	Hs.55080	ESTs	12353.03	
GF204	460111	AA676848	Hs.117006	Hs.118962	ESTs	12349	
GF201	269374	N24059	Hs.76730	Hs.76730	far upstream element (FUSE)	12333.75	
GF202	41029	R55719	Hs.26474	Hs.11238	binding protein 1	12325.06	1.77789529
GF202	428298	AA004946	Hs.123826	Hs.123826	KIAA0301 protein	12324.69	1.98430915
GF203	451364	AA707004	Hs.112184	Hs.112184	KIAA0622 protein	12312.08	1.20640267
GF200	768272	AA495724	Hs.782	Hs.12210	ESTs		
GF200	796984	AA463492	Hs.88974	Hs.88974	DKFZP586J0619 protein		
GF200	711826	AA281057	Hs.2475	Hs.278526	Homo sapiens cDNA	12305.87	1.18616912
GF200	293715	N69689	RG.33	Hs.3642	FLJ11289 fis, clone		
GF201	296123	N73625	Hs.76415	Hs.76415	PLACE1009621		
GF202	42666	R61311	Hs.13272	Hs.205300	cytochrome b-245, beta polypeptide (chronic granulomatous disease)	12267.58	1.19532571
GF201	322148	W37769	Hs.2281	Hs.2281	KIAA0019 gene product	12266.06	1.13036503
GF201	142579	R70888	Hs.79645	Hs.144519	DKFZP564B163 protein	12239.73	1.26360411
GF200	282587	N52089	Hs.22777	Hs.22777	inter-alpha (globulin) inhibitor		
GF201	357778	W95428	Hs.57863	Hs.132927	H4 (plasma kallikrein-sensitive glycoprotein)	12227.95	
GF200	712577	AA281548	Hs.88859	Hs.211571	ESTs	12224.3	-1.1312725
GF201	322148	W37769	Hs.2281	Hs.2281	chromogranin B		
GF201	142579	R70888	Hs.79645	Hs.144519	(secretogranin 1)	12208.26	
GF200	282587	N52089	Hs.22777	Hs.22777	TCL1-neighboring gene 2	12203.89	
GF201	357778	W95428	Hs.57863	Hs.132927	carbonic anhydrase XI	12203.41	1.26654501
GF200	712577	AA281548	Hs.88859	Hs.211571	ESTs, Moderately similar to p53 regulated PA26-T2		
GF201	357778	W95428	Hs.57863	Hs.132927	nuclear protein [H.sapiens]	12200.32	
GF200	712577	AA281548	Hs.88859	Hs.211571	holocytochrome c synthase	12197.63	1.16273326
GF201	357778	W95428	Hs.57863	Hs.132927	(cytochrome c heme-lyase)		

## APPENDIX A

GF200	789011	AA452988	Hs.83347	Hs.83347	angio-associated, migratory cell protein	AAMP	12194.26	1.44961104
GF203	769944	AA430511	Hs.87454	Hs.245342	Homo sapiens cDNA FLJ10325 fis, clone NT2RM2000569		12188.96	1.99930912
GF202	415110	W93386	Hs.59448	Hs.59448	EST		12181.81	2.28323887
GF203	684798	AA251548	Hs.87886	Hs.87886	EST		12169.32	1.819358
GF204	1636868	AI015589	Hs.16561	Hs.16561	Homo sapiens clone 24870 mRNA sequence		12155.26	
GF203	788520	AA452799	Hs.108946	Hs.25615	YDD19 protein	YDD19	12155.06	1.6391808
GF203	449295	AA777717	Hs.121971	Hs.121971	EST		12146.42	1.24693545
GF202	511343	AA088326	Hs.68829	Hs.68829	ESTs		12141.15	2.30511846
GF200	429182	AA004759	Hs.5085	Hs.5085	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	DPM1	12134.88	1.08836616
GF203	290111	N62195	Hs.77910	Hs.77910	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	HMGCS1	12116.93	1.80692257
GF202	324322	W47416	Hs.56006	Hs.56006	ESTs		12115.4	2.27088016
GF203	1408407	AA868278	Hs.2042	Hs.2042	testis specific protein 1 (probe H4-1 p3-1)	TPX1	12105.58	1.52795911
GF203	814616	AA480980	Hs.22635	Hs.22635	ESTs		12089.61	1.91514479
GF203	825822	AA505141	Hs.11923	Hs.11923	hypothetical protein	DJ167A19.1	12085.55	1.64120861
GF202	1031820	AA609666	Hs.112747	Hs.112747	ESTs		12081.25	1.6571166
GF201	505433	AA146963	Hs.23585	Hs.23585	KIAA1078 protein	KIAA1078	12076.27	
GF203	815558	AA456822	Hs.50847	Hs.50847	ESTs		12057.83	1.74724166
GF203	43829	H05770	Hs.22867	Hs.22867	ESTs		12054	2.01711063
GF200	826459	AA521083	Hs.80324	Hs.80324	protein phosphatase 6, catalytic subunit	PPP6C	12026.25	1.11621334
GF204	1492411	AA878570	Hs.125392	Hs.119140	eukaryotic translation initiation factor 5A	EIF5A	12012.79	
GF200	742007	AA401448	Hs.74670	Hs.278634	KIAA0146 protein	KIAA0146	12012.78	1.35817314
GF202	32576	R43535	Hs.91723	Hs.91723	EST		11992.92	1.89889463
GF201	358936	W92233	Hs.21452	Hs.21452	ESTs		11968.65	

FO2020-86225860

## APPENDIX A

GF204	162975	H28023	Hs.113864	Hs.118797	ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5)	UBE2D3	11935.39
GF204	825297	AA504462	Hs.105730	Hs.105730	ESTs		11924.39
GF202	284379	N52149	Hs.47446	Hs.47446	EST		11899.43
							1.40153506
GF204	1573108	AA970731	Hs.20644	Hs.20644	branched chain alpha-ketoacid dehydrogenase kinase	BCKDK	11876.21
GF200	839682	AA490124	Hs.75355	Hs.111515	DKFZP5861023 protein	DKFZP5861023	11865.4
GF200	839682	AA490124	Hs.91370	Hs.111515	DKFZP5861023 protein	DKFZP5861023	11865.4
GF203	291155	N72165	Hs.38225	Hs.264482	Apg12 (autophagy 12, S. cerevisiae)-like	APG12L	11864.04
GF203	666235	AA233774	Hs.90043	Hs.90043	ESTs		11856.1
GF202	41123	R58948	Hs.57100	Hs.57100	ESTs		11854.7
GF203	815800	AA485216	Hs.77823	Hs.77823	ESTs		11807.99
					Human homeobox gene, complete cds		11756.42
GF204	1560977	AA975010	Hs.74870	Hs.74870	hypothetical protein	FLJ20010	11746.04
GF201	782742	AA447995	Hs.91816	Hs.91816	ESTs		11746.04
GF204	32711	R43631	Hs.117407	Hs.117407	ESTs		11729.4
GF201	795739	AA460295	Hs.97136	Hs.181000	proliferation-associated gene A (natural killer-enhancing factor A)	PAGA	11721.75
GF203	878259	AA775803	Hs.1163	Hs.180909	Human DNA sequence from clone RP5-1046G13 on chromosome 6q12-13		1.75870244
					Contains part of a gene similar to Rattus norvegicus rab3 effector (RIM), ESTs, STSs and GSSs		
GF201	49858	H29290	Hs.3840	Hs.129190	EST, Highly similar to insulin receptor substrate-3		11700.01
					[M.musculus]		
GF204	449296	AA777710	Hs.121968	Hs.121968	ESTs, Highly similar to axoneal dynein heavy chain		11679.3
					[H.sapiens]		
GF203	272264	N35593	Hs.3904	Hs.3904			11671.38
							1.60444308

## APPENDIX A

GF202	136605	R35051	Hs.126916	Hs.111515	DKFZP58611023 protein	DKFZP58611023	11660.18	1.62206249
GF203	277608	N49378	Hs.21475	Hs.21475	ESTs		11653.81	1.3716722
GF203	132619	R26811	Hs.14294	Hs.14294	ESTs		11636.73	1.58301093
GF201	795151	AA453458	Hs.7301	Hs.7301	G protein pathway suppressor 2	GPS2	11617.09	
GF204	1507723	AA937220	Hs.87241	Hs.87241	Human clones 23549 and 23762 mRNA, complete cds		11611.52	
GF201	504623	AA149226	Hs.103874	Hs.95821	osteoclast stimulating factor 1	OSTF1	11610.09	
GF204	321356	W32404	Hs.114616	Hs.83115	ESTs		11609.04	
GF203	786608	AA478473	Hs.26505	Hs.6151	KIAA0235 protein	KIAA0235	11601.92	1.56258045
GF203	133386	R27213	Hs.117447	Hs.117447	ESTs		11592.91	1.81644716
GF202	366901	AA026648	Hs.61389	Hs.61389	ESTs		11581.73	1.67952125
GF203	768596	AA425056	Hs.61304	Hs.61304	ESTs		11573.01	1.30880773
GF201	853368	AA663310	Hs.82962	Hs.82962	thymidylate synthetase	TYMS	11568.83	
GF204	624490	AA187207	Hs.85529	Hs.21941	AD021 protein	LOC51313	11563.7	
GF204	1492512	AA879073	Hs.125408	Hs.204081	ESTs		11560.33	
GF200	502909	AA128587	Hs.6833	Hs.6833	KIAA0326 protein	KIAA0326	11560.08	1.29224767
GF201	809835	AA455111	Hs.30146	Hs.182447	heterogeneous nuclear ribonucleoprotein C (C1/C2)	HNRPC	11556.23	
GF200	753862	AA410517	Hs.41072	Hs.41072	protease inhibitor 6 (placental)		11546.47	1.6956379
GF204	731229	AA420966	Hs.119225	Hs.119225	thrombin inhibitor	PI6	11542.4	
GF204	435944	AA701961	Hs.114081	Hs.231139	EST, Weakly similar to probable protein-tyrosine kinase receptor [H.sapiens]		11522.61	
GF204	399576	AA733080	Hs.120333	Hs.44298	ESTs, Highly similar to HSPC011 [H.sapiens]		11520.57	
GF201	471598	AA035384	Hs.108326	Hs.168289	succinate dehydrogenase complex, subunit D, integral membrane protein	SDHD	11514.7	
GF201	365707	AA025434	Hs.61265	Hs.61265	ESTs, Weakly similar to 2-19 PROTEIN PRECURSOR [H.sapiens]		11511.42	
GF203	700499	AA291135	Hs.12757	Hs.5181	proliferation-associated 2G4, 38kD	PA2G4	11491.46	1.60932894

APPENDIX A

GF201	882459	AA676404	Hs.110364	peptidylprolyl isomerase C (cyclophilin C)	PPIC	11485.8
GF200	814095	AA465366	Hs.81118	leukotriene A4 hydrolase	LTA4H	11482.26
GF203	767346	AA418557	Hs.179260	ESTs		11429.97
GF201	321837	W37338	Hs.103014	ESTs		11416.55
				sialyltransferase 4C (beta-galactosidase alpha-2,3-sialyltransferase)	SIAT4C	11410.83
GF200	813751	AA453898	Hs.75268	aldehyde dehydrogenase 7	ALDH7	11394.36
GF201	307069	N93686	Hs.83155	AE-binding protein 1	AEBP1	11393.84
GF200	823851	AA490462	Hs.118397	Homo sapiens mRNA full length insert cDNA clone		1.26748835
				EUROIMAGE 39820		11384.04
GF204	23461	R38708	Hs.113657	synaptogyrin 1	SYNGR1	11373.91
GF204	1558855	AA975267	Hs.6139	ESTs		11360.71
GF203	364271	AA021546	Hs.41055	ESTs		11347.41
GF201	810035	AA455279	Hs.55918	ESTs		11346.78
GF203	811944	AA456631	Hs.130214	ESTs		1.89725434
				Homo sapiens mRNA; cDNA		
GF202	287683	N59148	Hs.102717	DKFZp434D1227 (from clone		11337.58
GF202	203711	H56345	Hs.108147	DKFZp434D1227)		11324.95
GF201	136244	R33856	Hs.106212	ESTs		11320.92
GF201	252259	H87536	Hs.117938	collagen, type XVII, alpha 1	COL17A1	11318.83
				Human clone 137308 mRNA, partial cds		11303.64
GF201	252491	H87459	Hs.78328	ESTs		11292.08
GF201	47597	H12081	Hs.6946	ESTs		11286.78
GF203	796498	AA460225	Hs.99519	ESTs		1.6775411
				parathyroid hormone-like hormone	PTH1H	11280.32
GF203	1404774	AA845432	Hs.89626	ESTs, Weakly similar to centaurin beta2 [H.sapiens]		2.25662974
GF202	625846	AA187681	Hs.85550	nuclear matrix protein p84	P84	11270.67
GF200	564846	AA129338	Hs.1540	ribosomal protein S25	RPS25	11269.1
GF203	1475738	AA872704	Hs.75577	glycoprotein 2 (zymogen granule membrane)	GP2	11265.95
GF203	1412344	AA844930	Hs.53985			11263.76
						2.24758704

APPENDIX A

GF200	774754	AA442092	Hs.58464	Hs.171271	catenin (cadherin-associated protein), beta 1 (88kD)	CTNNB1	11254.04	1.2396858
GF203	1468461	AA884167	Hs.2776	Hs.181107	annexin A13	ANXA13	11243.61	2.32681503
GF202	276495	N39087	Hs.44939	Hs.44939	EST		11236.38	1.23629318
GF203	811079	AA485458	Hs.107348	Hs.181357	laminin receptor 1 (67kD, ribosomal protein SA)	LAMR1	11235.55	1.65391271
GF201	83610	T61071	Hs.10839	Hs.111515	DKFZP58611023 protein	DKFZP58611023	11223.05	
GF200	303048	N91584	Hs.8782	Hs.161542	ESTs		11215.89	2.51686999
GF204	462333	AA705518	Hs.59461	Hs.59461	DKFZP434C245 protein	DKFZP434C245	11214.03	
GF203	811880	AA454634	Hs.49874	Hs.49874	ESTs		11211.52	1.49512998
GF204	1468362	AA884051	Hs.125232	Hs.125232	ESTs		11203.63	
GF202	767086	AA424513	Hs.98408	Hs.161839	ESTs		11198.65	1.90973292
GF204	32731	R43279	Hs.22574	Hs.22574	ESTs		11188.96	
GF200	771084	AA427367	Hs.12272	Hs.12272	beclin 1 (colled-coil, myosin-like BCL2-interacting protein)	BECN1	11188.06	1.31652525
GF204	269332	N26688	Hs.119041	Hs.75081	adenomatosis polyposis coli	APC	11185.17	
GF203	859832	AA668531	Hs.6650	Hs.6650	vacuolar protein sorting 45B (yeast homolog)	VPS45B	11176.86	2.01580071
GF204	449309	AA777902	Hs.121980	Hs.229237	EST, Highly similar to ribosomal protein L7			
GF201	324712	AA284234	Hs.103081	Hs.103081	[H.sapiens] ribosomal protein S6 kinase, 70kD, polypeptide 2	RPS6KB2	11176.81	
GF201	810939	AA459390	Hs.6240	Hs.155712	folistatin-like 1	FSTL1	11165.88	
GF200	784830	AA448289	Hs.82043	Hs.82043	D123 gene product	D123	11162.85	
GF201	416744	W86518	Hs.108820	Hs.171391	C-terminal binding protein 2	CTBP2	11161.97	1.20503222
GF201	810496	AA457153	Hs.58167	Hs.58167	zinc finger protein 282	ZNF282	11159.9	
GF200	813402	AA455535	Hs.3210	Hs.3210	renin	REN	11153.74	1.13984486
GF203	281898	N48162	Hs.22754	Hs.250655	prothymosin, alpha (gene sequence 28)	PTMA	11145.92	
GF200	785793	AA449037	Hs.82488	Hs.184270	capping protein (actin filament) muscle Z-line, alpha 1	CAPZA1	11143.28	1.22816348
GF203	182816	H45265	Hs.33249	Hs.270507	ESTs, Moderately similar to ATP binding cassette transporter ABC1 [H.sapiens]		11139.46	
							11106.82	2.30887162

## APPENDIX A

GF201	307645	N93582	Hs.102922	Hs.91299	postmeiotic segregation		11105.04
GF202	1049033	AA778675	Hs.86368	Hs.86368	increased 2-like 12	PMS2L12	11093.99
GF202	321751	W35416	Hs.94586	Hs.156861	calmeglin	CLGN	1.60317862
					ESTs		
GF201	487425	AA046523	Hs.29463	Hs.29463	centrin, EF-hand protein, 3		11083.48
GF200	292726	N63635	RG.32	Hs.81170	(CDC31 yeast homolog)	CETN3	1.06271977
GF202	490779	AA133199	Hs.71216	Hs.49169	pim-1 oncogene	PIM1	1.06271977
GF202	795308	AA454149	Hs.99357	Hs.99357	ESTs		11065.16
GF201	298281	N73949	Hs.29468	Hs.29468	EST		11061.15
GF202	795723	AA460289	Hs.99523	Hs.99523	ESTs		11055.51
GF200	143966	R76772	Hs.90998	Hs.90998	EST		11049.19
GF204	366414	AA026356	Hs.108106	Hs.108106	KIAA0128 protein; septin 2	KIAA0128	1.66381175
GF204	1654978	AI023726	Hs.6952	Hs.6952	ESTs		1.18506419
GF200	758366	AA404293	Hs.68731	Hs.68731	ESTs		11031.97
					triadin		11025.27
					apelin; peptide ligand for APJ	TRDN	11021.21
GF204	489637	AA101878	Hs.22793	Hs.181060	receptor	APELIN	1.20803651
					ESTs, Weakly similar to		
GF202	743516	AA609403	Hs.47152	Hs.47152	testicular teklin B1-like protein		10993.87
					[H.sapiens]		
					Homo sapiens mRNA; cDNA		
					DKFZp586F1223 (from clone		
					DKFZp586F1223)		
GF201	288741	N59219	Hs.28540	Hs.28540	ESTs		10987.63
GF202	810061	AA455302	Hs.111999	Hs.274394	ESTs		10986.42
GF202	325674	W51835	Hs.103098	Hs.231082	EST		10974.65
GF202	51879	H23216	Hs.31962	Hs.192644	ESTs		10963
GF202	322635	W15316	Hs.55336	Hs.55336	ESTs		10962.41
					ESTs, Weakly similar to		
					similar to M. musculus MER5		
					and other AHP/CTA proteins		
GF203	131308	R22945	Hs.107722	Hs.40919	[C.elegans]		10961.58
					macrophage stimulating,		
					pseudogene 9	MSTP9	
GF201	72395	T51539	Hs.90568	Hs.250826	EST		10947.41
GF204	856599	AA669226	Hs.116671	Hs.116671	EST		10944.68
GF203	712377	AA281743	Hs.5565	Hs.5565	ESTs		10939.59
							2.02977141

APPENDIX A

GF201	795832	AA461497	Hs.9070	Hs.9070	Homo sapiens mRNA; cDNA DKFP434A109 (from clone DKFP434A109)	10925.77
GF201	324749	W47158	Hs.43681	Hs.167839	KIAA0395 protein ESTs, Highly similar to CGI-38 protein [H.sapiens] ESTs	10924.32
GF202	487327	AA045524	Hs.110453	Hs.110453	ESTs	10922.22
GF201	278755	N62944	Hs.48666	Hs.260928	ESTs	10917.85
GF201	782427	AA431428	Hs.98167	Hs.98167	ESTs	10908.92
GF201	503126	AA151553	Hs.22318	Hs.169936	Homo sapiens mRNA; cDNA DKFP586N1918 (from clone DKFP586N1918)	10907.85
GF200	306013	N91385	Hs.89751	Hs.89751	membrane-spanning 4- domains, subfamily A, member 2	10898.23
GF201	810843	AA458959	Hs.8740	Hs.8740	ESTs	10895.1
GF200	32684	R43544	Hs.83343	Hs.169793	ribosomal protein L32	10862.53
GF201	810463	AA457140	Hs.11411	Hs.11411	DKFP566O084 protein transcription factor Dp-2 (E2F dimerization partner 2)	10852.99
GF200	814101	AA465444	Hs.82617	Hs.19131	ESTs, Weakly similar to similar to GTP-binding protein [C.elegans]	10839.82
GF202	897427	AA489470	Hs.100843	Hs.100843	topoisomerase (DNA) II alpha (170kD)	10836.43
GF200	825470	AA504348	Hs.3378	Hs.156346	topoisomerase (DNA) II alpha (170kD)	10830.52
GF200	825470	AA504348	Hs.119142	Hs.156346	topoisomerase (DNA) II alpha (170kD)	10830.52
GF201	308115	N92359	Hs.14518	Hs.14518	ESTs	10829.06
GF200	66377	T66907	Hs.12970	Hs.12970	ESTs	10824.65
GF201	32496	R43486	Hs.22359	Hs.169888	ESTs	10812.54
GF201	490556	AA100696	Hs.26518	Hs.26518	transmembrane 4 superfamily member 7	10802.19
GF201	259017	N32811	Hs.77542	Hs.77542	ESTs	10801.23
GF201	491764	AA150502	Hs.22176	Hs.22176	ESTs	10792.32
GF202	320425	W04695	Hs.55307	Hs.55307	EST	10782.57
GF200	197975	R96455	Hs.30579	Hs.30579	ESTs	10781.87



APPENDIX A

GF203	435776	AA700099	Hs.118785	Hs.51743	Homo sapiens mRNA for KIAA1340 protein, partial cds		10776.9	1.6509876
GF200	838389	AA457199	Hs.81728	Hs.81728	unc119 (C.elegans) homolog	UNC119	10769.04	1.17099885
GF202	730543	AA435945	Hs.98844	Hs.98844	EST		10738.97	1.72883002
GF202	277785	N49619	Hs.46642	Hs.46642	EST		10732.46	2.11324682
GF200	841689	AA488715	Hs.75696	Hs.6551	ATPase, H+ transporting, lysosomal (vacuolar proton pump), subunit 1	ATP6S1	10721.55	1.21626694
GF201	270017	N24914	Hs.43268	Hs.106390	Homo sapiens mRNA; cDNA DKFZp586H0924 (from clone DKFZp586H0924)		10714.29	
GF200	786067	AA448755	Hs.75779	Hs.153752	cell division cycle 25B	CDC25B	10700.02	1.24531966
GF203	293924	N63940	Hs.89881	Hs.157124	Acetylcholinesterase {I4-E5 domain} [human, tumor cell lines, Genomic, 847 nt]		10691.19	2.00344445
GF200	824568	AA490981	Hs.1548	Hs.171995	kallikrein 3, (prostate specific antigen)	KLK3	10685.88	1.08295349
GF203	785674	AA449090	Hs.105000	Hs.105000	ESTs		10681.57	2.00474349
GF200	485858	AA040043	Hs.44552	Hs.170266	ESTs		10673.26	1.28345177
GF204	1635874	AA996104	Hs.8693	Hs.111515	DKFZP586I1023 protein	DKFZP586I1023	10668.48	
GF204	502536	AA156964	Hs.17778	Hs.17778	neuropilin 2	NRP2	10659.38	
GF200	841149	AA487034	Hs.82028	Hs.82028	transforming growth factor, beta receptor II (70-80kD)	TGFB2	10656.32	1.19673222
GF201	46896	H09818	Hs.4282	Hs.258503	p53 inducible protein	PIR121	10651.48	
GF204	32777	R43523	Hs.118841	Hs.217754	ESTs		10645.5	
GF201	502486	AA134814	Hs.79076	Hs.146847	TRAF family member-associated NFKB activator	TANK	10638.26	
GF201	134682	R28303	Hs.24277	Hs.268690	ESTs		10607.11	
GF202	950770	AA608632	Hs.30134	Hs.240763	ESTs, Weakly similar to /prediction		10605.3	1.67308959
GF203	1239877	AA705999	Hs.129849	Hs.20760	DKFZP564M182 protein	DKFZP564M182	10594.5	-1.2698013
GF204	1468727	AA885221	Hs.125625	Hs.156984	ESTs		10594.23	
GF203	291756	N74524	Hs.108014	Hs.108014	tubulin, beta, 5	TUBB5	10579.54	1.248849
GF201	270626	N33331	Hs.106415	Hs.106415	peroxisome proliferative activated receptor, delta	PPARD	10574.39	

APPENDIX A

GF201	257109	N26828	Hs.43861	Hs.77578	ubiquitin specific protease 9, X	10571.05
GF200	51865	H23187	Hs.78883	Hs.155097	chromosome (Drosophila fat	10569.42
GF201	611532	AA181334	Hs.83760	Hs.83760	facets related) USP9X	1.16834117
GF204	825856	AA504777	Hs.105293	Hs.105293	carbonic anhydrase II CA2	10555.61
GF202	785941	AA449718	Hs.27801	Hs.27801	tropoin I, skeletal, fast	10553.7
					ESTs	10536.25
					zinc finger protein 278 ZNF278	1.65165268
GF203	1412300	AA844864	Hs.4158	Hs.4158	regenerating islet-derived 1	
					beta (pancreatic stone protein,	
					pancreatic thread protein) REG1B	10530.42
						1.69431783
GF203	770289	AA434435	Hs.107277	Hs.11184	Homo sapiens cDNA	
GF201	810399	AA464200	Hs.24211	Hs.24211	FLJ20419 fis, clone KAT02435	10529.2
GF200	814460	AA459247	Hs.78354	Hs.78354	ESTs	10517.08
					surfeit 5 SURF5	10516.31
					ESTs, Weakly similar to neural	
					F box protein NFB42	
GF201	324220	AA284184	Hs.89312	Hs.65709	[R.norvegicus]	10513.06
					potassium voltage-gated	
					channel, Shab-related	
GF201	382457	AA069770	Hs.84244	Hs.84244	subfamily, member 1 KCNB1	10501.67
					Homo sapiens mRNA; cDNA	
					DKFZp564M113 (from clone	
GF202	609188	AA167550	Hs.51811	Hs.205678	DKFZp564M113)	10487.87
						-1.0532725
					ESTs, Moderately similar to	
					RNA polymerase I associated	
GF202	611206	AA176812	Hs.24884	Hs.24884	factor [M.musculus]	10467.79
GF202	843150	AA488351	Hs.104073	Hs.104073	ESTs	10462.34
					dynein, axonemal,	
GF202	1031478	AA609218	Hs.112667	Hs.112667	intermediate chain 1 DNAI1	10447.51
GF204	745437	AA625861	Hs.32214	Hs.160690	ESTs	10447.1
GF202	489462	AA054554	Hs.95313	Hs.95313	EST	10437.6
						2.10177614

## APPENDIX A

GF200	309583	N94424	Hs.82547	Hs.82547	retinoic acid receptor responder (tazarotene induced) 1	RARRES1	10436.39	1.19035156
GF200	772951	AA476263	Hs.75345	Hs.78060	phosphorylase kinase, beta	PHKB	10426.17	1.21986796
GF202	838899	AA464935	Hs.12591	Hs.12372	KIAA0517 protein	KIAA0517	10418.27	2.51662286
GF201	277463	N56872	Hs.102703	Hs.153498	chromosome 18 open reading frame 1	C18ORF1	10410.57	
GF200	840776	AA486082	Hs.74950	Hs.159640	serum/glucocorticoid regulated kinase	SGK	10406.71	1.05940073
GF203	248669	N59553	Hs.8941	Hs.8941	ESTs		10402.67	1.93658908
					ESTs, Weakly similar to !!!!			
					ALU SUBFAMILY J			
					WARNING ENTRY !!!!			
GF202	767456	AA417994	Hs.6853	Hs.6853	[H.sapiens]		10399.84	2.52392365
GF200	321706	W33011	Hs.22228	Hs.6189	ESTs		10396.9	1.31723655
					deleted in bladder cancer			
					chromosome region candidate			
GF201	47037	H10959	Hs.22263	Hs.6090	1	DBCCR1	10389.37	
GF202	666707	AA233892	Hs.55902	Hs.55902	ESTs		10377.76	1.69251213
GF200	713685	AA284528	Hs.2048	Hs.241561	protease, serine, 2 (trypsin 2)	PRSS2	10376.04	1.12705516
					Homo sapiens cDNA			
					FLJ20094 fis, clone			
GF204	506509	AA708627	Hs.29700	Hs.29700	COL04320		10362.55	
GF200	49665	H28710	Hs.82002	Hs.82002	endothelin receptor type B	EDNRB	10353.47	-1.033849
GF203	825404	AA504253	Hs.101515	Hs.101515	ESTs		10349.7	2.00328141
GF202	280362	N49267	Hs.46923	Hs.46923	EST		10334.21	1.01071241
GF204	884683	AA629926	Hs.48878	Hs.142634	zinc finger protein	AF020591	10324.12	
GF200	200873	R98774	Hs.36014	Hs.268883	ESTs		10317.24	1.21219107
					peroxisome biogenesis factor			
GF200	128783	R16849	Hs.115240	Hs.115240	13	PEX13	10309.03	1.25056431
GF204	745418	AA625844	Hs.116087	Hs.116087	EST		10306.85	
GF203	50569	H17012	Hs.14633	Hs.14633	ESTs		10300.99	1.71922755
GF201	32515	R43269	Hs.22571	Hs.22571	ESTs		10283.19	
GF202	813148	AA456286	Hs.30794	Hs.183380	ESTs		10274.31	2.03448037
					G protein-coupled receptor			
GF201	255333	N23898	Hs.32959	Hs.32959	kinase 2 (Drosophila)-like	GPRK2L	10270.61	

APPENDIX A

GF204	486386	AA044263	Hs.16134	serine/threonine kinase 10	STK10	10264.21
GF201	342008	W60057	Hs.94751	keratin 13	KRT13	10263.65
GF201	345838	W72692	Hs.44158	ESTs		10263.63
GF201	366233	AA025631	Hs.31709	ESTs		10236.28
GF201	340835	W56786	Hs.49031	ESTs		10233.01
GF200	292654	N80458	Hs.48604	DKFZP434B168 protein	DKFZP434B168	1.28090596
				SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1		
GF200	897667	AA496809	Hs.1061	cytochrome c oxidase subunit VIc	SMARCA1	1.46750269
GF202	511718	AA121158	Hs.17801	ESTs	COX6C	1.74863533
GF204	448823	AA777595	Hs.34081	ESTs, Weakly similar to !!!!		
				ALU CLASS A WARNING		
GF200	132140	R26163	Hs.93961	ENTRY !!!! [H.sapiens]		1.08550534
GF202	286657	N67889	Hs.49397	ESTs		1.55800364
GF203	453183	AA700222	Hs.33787	vinexin beta (SH3-containing adaptor molecule-1)	SCAM-1	1.29488177
GF202	280567	N51674	Hs.47312	ESTs		1.95898427
GF204	179572	H51434	Hs.36567	ESTs		1.0147.57
				heat shock transcription factor 2	HSF2	
GF200	669443	AA250730	Hs.826	ESTs, Highly similar to DNAJ		1.20599053
				PROTEIN HOMOLOG MTJ1 [M.musculus]		
GF202	785571	AA449438	Hs.13015			1.44049901
				polymerase (RNA) II (DNA directed) polypeptide E (25kD)	POLR2E	
GF201	469369	AA027042	Hs.24301	ESTs		10133.51
GF202	282104	N51498	Hs.47277	ESTs		10125.5
GF202	283070	N51297	Hs.47223	ESTs		10114.39
				Rho GTPase activating protein 6	ARHGAP6	
GF203	768489	AA495981	Hs.102778	adrenergic, beta-2-, receptor, surface	ADRB2	1.89774439
GF201	241489	H90431	Hs.2551	KIAA0849 protein		10106.06
GF202	36584	R62469	Hs.18827		KIAA0849	10095.68
						1.85167921

APPENDIX A

GF201	782838	AA448270	Hs.104985	ESTs	10095.5	
GF202	753021	AA436549	Hs.7236	ESTs, Highly similar to CGI-25 protein [H.sapiens]	10092.28	1.48196508
GF201	133735	R27776	Hs.5911	ESTs	10088.18	
GF203	381062	AA054443	Hs.59773	ESTs	10086.8	1.69854655
GF202	45344	H09716	Hs.101681	EST	10060.88	1.43075689
GF202	323704	W44657	Hs.103065	EST	10056.03	1.96883124
GF200	321708	W33012	Hs.79353	transcription factor Dp-1	10051.64	1.1790464
GF201	304975	N93214	Hs.65746	KIAA0318 protein	10049.13	
GF201	109863	T88721	Hs.29191	epithelial membrane protein 2	10039.84	
				ESTs, Moderately similar to alternatively spliced product using exon 13A [H.sapiens]		
GF201	487981	AA054722	Hs.16704	M-phase phosphoprotein 9	9994.685	
GF201	344039	W70051	Hs.43326	ESTs	9991.666	
GF204	417948	W90109	Hs.59263	ESTs	9989.492	
GF202	266407	N21665	Hs.66594	EST	9977.483	2.201397
				ESTs, Highly similar to signal peptidase:SUBUNIT		
GF203	725489	AA398521	Hs.11125	glycine C-acetyltransferase (2-amino-3-ketobutyrate-CoA ligase)	9967.265	1.52589708
GF201	307094	N93695	Hs.54609	KIAA0973 protein	9966.751	
GF200	739625	AA479623	Hs.115747	KIAA0973 protein	9952.703	1.32180962
GF200	739625	AA479623	Hs.80265	KIAA0973 protein	9952.703	1.32180962
GF200	897594	AA496837	Hs.75104	RNA-binding protein S1,		
GF204	855821	AA664265	Hs.116942	serine-rich domain	9951.42	1.16075139
GF204	1461733	AA884401	Hs.125576	ESTs	9930.967	
				ESTs	9930.542	
				nuclear phosphoprotein similar to S. cerevisiae PWP1		
GF200	843069	AA485992	Hs.75132	PWP1	9923.074	1.15059932
GF201	503581	AA131239	Hs.21594	ESTs	9919.529	
				Homo sapiens cDNA		
GF203	53265	R16157	Hs.21715	FLJ10892 fis, clone	9915	1.46912057
				NT2RP4002298		
				bromodomain adjacent to zinc finger domain, 2A		
GF200	417509	W88615	Hs.94931	BAZ2A	9901.437	1.13479519

102020" 86226860

## APPENDIX A

Homo sapiens mRNA; cDNA									
GF203	754148	AA478630	Hs.33104	Hs.33104				9895.317	1.19198793
GF201	491615	AA115559	Hs.19999	Hs.19999				9892.806	
GF202	309119	N98238	Hs.55185	Hs.55185				9885.046	1.7149843
GF203	684562	AA251338	Hs.104348	Hs.104348				9868.24	1.72629058
GF203	814547	AA480870	Hs.47660	Hs.47660				9866.832	1.3592578
GF204	22987	R38624	Hs.106313	Hs.106313				9857.356	
GF201	267696	N25555	Hs.31712	Hs.31712				9854.906	
GF204	645284	AA206122	Hs.105904	Hs.105904				9854.601	
GF204	855029	AA630498	Hs.9933	Hs.9933			Ac-like transposable element	9842.232	
GF200	323404	W45531	Hs.94642	Hs.94642			ALTE	9836.805	1.15980508
GF200	136188	R33154	Hs.1494	Hs.167836			ESTs	9834.323	1.40968433
GF204	435690	AA699949	Hs.118339	Hs.191385			ESTs	9820.832	
GF202	950926	AA608730	Hs.4192	Hs.221040			HBS1 (S. cerevisiae)-like	9816.759	2.14966051
cystatin C (amyloid angiopathy and cerebral hemorrhage)									
GF200	949938	AA599177	Hs.75780	Hs.135084			CST3	9798.836	1.12347841
ubiquitin-conjugating enzyme E2I (homologous to yeast UBC9)									
GF200	841292	AA487197	Hs.84285	Hs.84285			UBE2I	9780.894	1.13413208
GF202	1031580	AA609310	Hs.121538	Hs.188691			ESTs	9779.989	1.9446643
core-binding factor, beta subunit									
GF201	624754	AA187148	Hs.133	Hs.179881			CBFB	9764.44	
GF201	781459	AA429572	Hs.7210	Hs.241507			RPS6	9764.023	
GF203	811785	AA463463	Hs.8687	Hs.8687			ESTs	9758.832	1.7351467
GF204	815096	AA465196	Hs.107233	Hs.107233			ESTs	9751.245	
GF203	767281	AA418386	Hs.98295	Hs.98295			EST	9745.28	1.5161277
GF200	159608	H15842	Hs.75736	Hs.75736			apolipoprotein D	9742.015	1.17952366
GF203	740748	AA479693	Hs.108139	Hs.108139			zinc finger protein 212	9734.966	2.4026082
GF202	773402	AA425879	Hs.22488	Hs.22488			ESTs	9721.263	2.15706305
GF202	757386	AA437133	Hs.98936	Hs.98936			ESTs	9713.377	1.59277649
GF203	665033	AA194646	Hs.85950	Hs.85950			ESTs	9703.731	2.52317956
GF202	1031346	AA609106	Hs.112644	Hs.112644			ESTs	9684.191	1.20539282
GF202	1031582	AA609311	Hs.112675	Hs.269475			ESTs	9682.47	-1.2388135
GF203	754591	AA406320	Hs.24702	Hs.21201			DKFZP566B0846 protein	9661.294	2.27182749
							DKFZP566B0846		

APPENDIX A

GF202	742783	AA400195	Hs.107376	Hs.107376	hypothetical protein	DKFZP434G1017	9653.42	1.69823159
GF200	810039	AA455281	Hs.82890	Hs.82890	defender against cell death 1	DAD1	9652.667	1.09390457
GF202	796357	AA456139	Hs.57442	Hs.267811	KIAA1099 protein	KIAA1099	9646.896	1.46494938
GF201	299162	N75473	Hs.106053	Hs.243901	KIAA1067 protein	KIAA1067	9641.226	1.01576911
GF203	416325	W85851	Hs.128450	Hs.128450	ESTs		9640.562	1.01576911
GF201	504111	AA131678	Hs.61696	Hs.61696	ESTs		9638.757	1.72556627
GF202	1030798	AA609002	Hs.112626	Hs.112626	EST		9635.776	1.72556627
GF201	489866	AA115121	Hs.69652	Hs.261314	ESTs		9632.416	
					ESTs, Weakly similar to			
					PUTATIVE PRE-MRNA			
					SPLICING FACTOR RNA			
GF202	767387	AA418610	Hs.7174	Hs.7174	HELICASE [H.sapiens]		9632.121	-1.0237729
GF200	668182	AA252169	Hs.96448	Hs.96448	zinc finger protein 193	ZNF193	9616.91	1.116074
GF201	460666	AA700322	Hs.9030	Hs.9030	TONDU	TONDU	9609.892	
GF202	511210	AA088678	Hs.68846	Hs.68846	ESTs		9608.74	2.09777366
					proteasome (prosome,			
					macropain) subunit, alpha			
GF200	814246	AA465593	Hs.82308	Hs.167106	type, 3	PSMA3	9607.712	1.19783525
GF201	429060	AA005140	Hs.100439	Hs.106671	cleft lip and palate associated	CLPTM1	9602.282	
					transmembrane protein 1			
GF201	796297	AA461304	Hs.3753	Hs.173422	cAMP responsive element	CREB3	9597.268	
					binding protein 3 (human)			
GF203	280365	N49272	Hs.114415	Hs.46925	eyes absent (Drosophila)	EYA3	9593.017	1.52327488
					homolog 3			
					ecotropic viral integration site			
GF202	593183	AA159620	Hs.5509	Hs.5509	2B	EVI2B	9585.806	1.84977947
GF202	488706	AA044906	Hs.77855	Hs.77855	ESTs		9567.894	1.78048091
GF203	31972	R43020	Hs.22307	Hs.236223	EST		9565.229	2.73029953
GF201	49291	H15653	Hs.28169	Hs.28169	KIAA0459 protein	KIAA0459	9550.451	
GF202	280327	N47089	Hs.46668	Hs.46668	ESTs		9525.712	1.72529052
					choline/ethanolaminephosphot			
GF201	260068	N32019	Hs.44295	Hs.125031	ransferase	CEPT1	9516.71	
					neural precursor cell			
					expressed, developmentally			
GF200	774751	AA442095	Hs.1565	Hs.1565	down-regulated 4	NEDD4	9514.323	1.10350801

APPENDIX A

GF201	795750	AA460301	Hs.12502	Hs.106127	Homo sapiens clone 25056	9512.675	
GF200	143310	R74171	Hs.79704	Hs.7972	mRNA sequence	9508.081	1.19573942
					KIAA0871 protein		KIAA0871
GF203	178268	H46221	Hs.31774	Hs.31774	Homo sapiens mRNA; cDNA		
					DKFZp434M082 (from clone		
					DKFZp434M082)	9502.093	1.52705502
GF201	756931	AA425934	Hs.89840	Hs.251702	S100 calcium-binding protein		
					A1	9494.455	S100A1
					proteoglycan 1, secretory		
GF200	703581	AA278759	Hs.1908	Hs.1908	granule	9490.584	-1.9533877
GF200	839682	AA490124	Hs.75355	Hs.111515	DKFZP58611023 protein	9489.806	1.05431798
GF200	839682	AA490124	Hs.91370	Hs.111515	DKFZP58611023 protein	9489.806	1.05431798
GF201	34243	R44173	Hs.91564	Hs.91564	ESTs	9488.104	
GF203	449438	AA777886	Hs.121936	Hs.121936	EST	9487.328	1.03038018
					acetylserotonin O-		
GF201	771056	AA427398	Hs.6315	Hs.6315	methyltransferase-like	9474.509	ASMTL
					Human clone A9A2BRB7		
					(CAC)n/(GTG)n repeat-		
GF201	366042	AA074535	Hs.8068	Hs.8068	containing mRNA	9474.431	
					eukaryotic translation initiation		
GF200	133180	R28424	Hs.23383	Hs.93379	factor 4B	9472.9	1.19905012
GF201	32150	R43352	Hs.22270	Hs.22270	ESTs	9448.578	
GF202	71825	T52531	Hs.110027	Hs.266076	ESTs	9447.872	1.8481064
GF204	433324	AA700581	Hs.118376	Hs.189916	ESTs	9439.535	
					ESTs, Weakly similar to cDNA		
GF204	611510	AA181506	Hs.128060	Hs.128060	EST yk481g5.5 comes from	9427.111	
					this gene [C.elegans]		
GF200	490368	AA136359	Hs.75626	Hs.75626	CD58 antigen, (lymphocyte	9422.907	1.30101529
					function-associated antigen 3)		CD58
					ESTs, Weakly similar to cDNA		
GF201	323117	W42541	Hs.55608	Hs.55608	EST yk484g1.3 comes from	9415.476	
GF202	356949	W92947	Hs.59383	Hs.249185	this gene [C.elegans]	9415.4	2.34259617
					ESTs		
					amiloride-sensitive cation		
GF204	773610	AA428361	Hs.98547	Hs.98547	channel 3, testis	9411.156	ACCN3



Westbrook et al.

APPENDIX A

GF202	324358	W47667	Hs.109907	Hs.267445	Homo sapiens mRNA; cDNA DKFZp434B231 (from clone DKFZp434B231)	9393.448	1.62658221
GF200	144878	R78539	Hs.99816	Hs.99816	ESTs	9385.862	1.22663604
GF200	773236	AA425249	Hs.753	Hs.753	formyl peptide receptor 1	9373.695	1.21794515
					FPR1		
GF200	770377	AA427472	Hs.73067	Hs.267871	ATPase, H+ transporting, lysosomal (vacuolar proton pump) non-catalytic accessory protein 1A (110/116kD)	9373.393	1.10417059
					ATP6N1A		
GF200	770377	AA427472	Hs.118855	Hs.267871	ATPase, H+ transporting, lysosomal (vacuolar proton pump) non-catalytic accessory protein 1A (110/116kD)	9373.393	1.10417059
GF203	413056	AA707853	Hs.22158	Hs.22158	ESTs, Weakly similar to ORF YNL240c [S.cerevisiae]	9372.809	-1.0441366
GF200	877644	AA488233	Hs.9629	Hs.9629	papillary renal cell carcinoma (translocation-associated)	9358.732	1.01190895
GF201	308497	N95780	Hs.94500	Hs.11147	KIAA0467 protein	9357.991	
GF200	897770	AA598508	Hs.86358	Hs.183650	cellular retinoic acid-binding protein 2	9352.233	1.17493966
GF200	358457	W96114	Hs.83573	Hs.245710	heterogeneous nuclear ribonucleoprotein H1 (H)	9336.613	1.16227136
GF201	488707	AA044846	Hs.7111	Hs.7111	Homo sapiens cDNA FLJ11161 fis, clone PLACE1007021	9329.566	
GF203	741919	AA402040	Hs.25527	Hs.25527	tight junction protein 3 (zona occludens 3)	9323.453	-1.0136952
					TJP3		

Westbrook et al.

## APPENDIX A

Human DNA sequence from clone 71L16 on chromosome Xp11. Contains a probable Zinc Finger protein (pseudo)gene, an unknown putative gene, a pseudogene with high similarity to part of antigen KI-67, a putative Chondroitin 6-Sulfotransferase LIKE gene and a K ESTs									
GF201	324333	AA284109	Hs.103085	Hs.154353					9321.657
GF201	810062	AA455291	Hs.14407	Hs.14407					9310.233
GF201	292894	N63733	Hs.82426	Hs.82426			KIAA0247		9295.742
intercellular adhesion molecule 1 (CD54), human rhinovirus receptor									
GF201	145112	R77293	Hs.51061	Hs.168383			ICAM1		9277.478
mannan-binding lectin serine protease 1 (C4/C2 activating component of Ra-reactive factor)									
GF200	241365	H81199	Hs.74887	Hs.227152			MASP1		9263.125
GF204	435719	AA699983	Hs.117361	Hs.117361			ESTs		9252.617
GF203	726523	AA398073	Hs.97500	Hs.177930			ESTs		9242.659
GF203	814537	AA480865	Hs.104050	Hs.104050			ESTs		9236.979
GF202	768358	AA425001	Hs.78605	Hs.78605			DKFZP56611024 protein		9236.424
GF202	324762	AA284112	Hs.94680	Hs.94680			ESTs		9225.962
GF202	784093	AA443853	Hs.30123	Hs.189834			DKFZP566E104 protein		9219.909
GF200	669419	AA253413	Hs.95998	Hs.95998			Friedreich ataxia		9211.857
ESTs, Weakly similar to weak similarity to TPR domains [C.elegans]									
GF203	322123	W37689	Hs.55158	Hs.55158			DKFZP566E104		9209.654
GF204	309486	N94362	Hs.55040	Hs.55040			FRDA		9207.906
dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)									
GF201	742115	AA405800	Hs.89466	Hs.89466			DCI		9201.628

APPENDIX A

GF203	796623	AA461460	Hs.88663	Hs.88663	Homo sapiens cDNA FLJ10545 fis, clone NT2RP2001675	9188.018	1.12574524
GF200	111391	T85191	Hs.15866	Hs.15866	Human DNA sequence from clone RP4-622L5 on chromosome 1p34.2-36.11. Contains the gene for importin alpha 7 (karyopherin), up to six novel genes and the 5' end of the EIF3S2 gene for eukaryotic translation initiation factor 3 beta. Contains ESTs, STSs, GSS	9186.383	1.31967452
GF203	262540	H99316	Hs.30127	Hs.30127	hypothetical protein long fatty acyl-CoA synthetase 2 gene	9181.115	1.63323435
GF201	757268	AA426087	Hs.14945	Hs.14945	PTD007 protein	9180.479	
GF201	277163	N40939	Hs.44162	Hs.112110	ESTs, Moderately similar to TFII-I protein [H.sapiens]	9173.792	
GF204	1031047	AA609881	Hs.116863	Hs.193077		9153.729	
GF202	627687	AA196287	Hs.124158	Hs.135	gamma-glutamyltransferase 1 ESTs	9136.108	1.29791112
GF204	1467686	AA885397	Hs.125642	Hs.156997	Homo sapiens mRNA; cDNA DKFZp564H172 (from clone DKFZp564H172)	9115.381	
GF204	868378	AA634108	Hs.102017	Hs.192810	EST	9114.313	1.4754223
GF202	279616	N48302	Hs.46852	Hs.46852	chimerin (chimaerin) 2	9106.271	
GF201	299342	N75572	Hs.108687	Hs.15202	orosomucoid 1	9105.305	
GF201	452374	AA700876	Hs.572	Hs.572	ESTs	9095.35	
GF201	811010	AA485365	Hs.12705	Hs.12705	ESTs	9075.021	
GF202	504332	AA131921	Hs.71030	Hs.214368	ESTs	9062.258	1.7330752
GF204	221786	H92192	Hs.28310	Hs.28310	ESTs	9062.156	
GF200	760224	AA425139	Hs.98493	Hs.98493	X-ray repair complementing defective repair in Chinese hamster cells 1	9060.034	1.2571784

Westbrook et al.

## APPENDIX A

Homo sapiens cDNA									
GF201	810613	AA464741	Hs.6355	Hs.143187					
GF204	1034640	AA779841	Hs.122118	Hs.42251					
GF202	273648	N36992	Hs.102533	Hs.102533					
GF201	866874	AA679345	Hs.75927	Hs.278857					
GF200	469952	AA029889	Hs.90335	Hs.77356					
GF204	1292148	AA705798	Hs.119919	Hs.184185					
GF200	49630	H29256	Hs.23838	Hs.23838					
GF200	471372	AA034501	Hs.28803	Hs.28803					
GF201	321488	W32509	Hs.100127	Hs.3903					
GF202	811943	AA455012	Hs.99384	Hs.99384					
GF202	417715	W88693	Hs.59192	Hs.59192					
GF203	767236	AA424675	Hs.98296	Hs.4877					
GF203	430751	AA677968	Hs.117096	Hs.238645					
GF203	703541	AA278858	Hs.54925	Hs.54925					
GF201	324205	W47179	Hs.70576	Hs.249982					
GF202	950968	AA620379	Hs.51652	Hs.188006					
GF200	825293	AA504534	Hs.79142	Hs.154045					
GF203	1455394	AA865265	Hs.127322	Hs.697					
GF200	687875	AA236164	Hs.81356	Hs.181301					
GF200	788421	AA456439	Hs.75862	Hs.75862					

FLJ10432 fis, clone  
NT2RP1000470, weakly  
similar to PUTATIVE ATP-  
DEPENDENT RNA  
HELICASE T26G10.1 IN  
CHROMOSOME III  
ESTs  
ESTs  
Human BTK region clone ftp-3  
mRNA  
transferrin receptor (p90,  
CD71)  
ESTs  
calcium channel, voltage-  
dependent, L type, alpha 1D  
subunit  
ESTs  
Homo sapiens mRNA; cDNA  
DKFZp762L106 (from clone  
DKFZp762L106); partial cds  
ESTs  
EST  
CGI-51 protein  
ESTs  
ESTs  
cathepsin B  
KIAA0878 protein  
KIAA0082 protein  
cytochrome c-1  
cathepsin S  
MAD (mothers against  
decapentaplegic; Drosophila)  
homolog 4

TFRC

CACNA1D

CGI-51

CTSB

KIAA0878

KIAA0082

CYC1

CTSS

MADH4

## APPENDIX A

GF201	810923	AA459310	Hs.8518	Homo sapiens mRNA; cDNA DKFZp586L1722 (from clone DKFZp586L1722)	8908.935	
GF201	32325	R42796	Hs.22223	ESTs	8900.545	
GF201	486623	AA043458	Hs.359	zinc finger protein 137 (clone pHZ-30)	8894.734	ZNF137
GF202	1056198	AA621018	Hs.112837	Homo sapiens cDNA FLJ20371 fis, clone	8893.313	1.51177736
GF201	282404	N49774	Hs.7890	HEP19701	8888.829	
GF200	813823	AA453712	Hs.79914	ESTs	8888.814	1.30969169
				lumican		LUM
				ESTs, Moderately similar to HNF3/FH TRANSCRIPTION FACTOR GENESIS		
GF202	341201	W57731	Hs.56213	[M.musculus]	8887.743	1.26067178
GF200	208940	H61684	Hs.37986	EST	8880.704	1.3858836
GF201	460584	AA700419	Hs.70617	zinc finger protein 33a (KOX 31)	8870.446	ZNF33A
GF200	727390	AA403083	Hs.3260	presenilin 1 (Alzheimer disease 3)	8861.158	1.24218451
GF202	593658	AA160080	Hs.42269	ESTs	8858.97	2.12880759
GF204	1032712	AA670270	Hs.116701	EST	8856.402	
GF200	135240	R31512	Hs.24358	ESTs	8849.572	1.27111465
GF203	1240394	AA788772	Hs.119957	ESTs	8836.348	1.81522512
GF200	245485	N55087	Hs.5723	ESTs	8824.812	1.37777272
				Homo sapiens mRNA; cDNA DKFZp434B225 (from clone DKFZp434B225)	8821.333	1.53599808
GF203	192593	H41496	Hs.7271	ESTs	8809.855	
GF201	795564	AA459674	Hs.99492	ESTs	8805.789	2.29705499
GF203	767075	AA424517	Hs.24250	ESTs	8803.162	
GF204	1588331	AA976843	Hs.6455	RuvB (E coli homolog)-like 2		RUVBL2
				Homo sapiens clone 23551 mRNA sequence	8795.303	
GF201	324699	W47134	Hs.12445	EST	8792.17	-1.0006517
GF202	1055497	AA620794	Hs.112906	ESTs	8791.604	1.04893499
GF200	324255	W47254	Hs.6799			

APPENDIX A

GF204	1526789	AA911236	Hs.2537	v-myb avian myeloblastosis viral oncogene homolog-like 1	MYBL1	8780.663
GF203	298592	N74272	Hs.90964	Homo sapiens cDNA FLJ20812 fis, clone		8780.316
GF204	1631747	AI025120	Hs.278362	ADSE01316 male-enhanced antigen	MEA	8773.428
GF204	878571	AA775249	Hs.6527	G protein-coupled receptor 56	GPR56	8769.579
GF200	49920	H28984	Hs.77329	phosphatidylserine synthase 1	PTDSS1	8760.265
GF203	37883	R61390	Hs.101281	EST		8754.18
GF203	28611	R40449	Hs.21550	ESTs		8743.231
GF201	32444	R42831	Hs.1780	myelin associated glycoprotein	MAG	8742.506
GF201	758355	AA404260	Hs.108264	ESTs		8740.493
GF201	342211	W63789	Hs.15641	ESTs		8722.769
GF201	525799	AA074446	Hs.83081	GTP cyclohydrolase I		8721.512
GF201	416539	W86423	Hs.105413	feedback regulatory protein	GCHFR	8720.187
GF200	898035	AA598950	Hs.84898	ESTs		8710.486
GF200	322051	W37306	Hs.37045	cathepsin B	CTSB	8705.333
GF200	784593	AA443302	Hs.6838	parathyroid hormone	PTH	1.27084389
GF201	49944	H29215	Hs.25747	ras homolog gene family, member E	ARHE	1.22736154
GF201	32565	R43509	Hs.75251	fatty-acid-Coenzyme A ligase, long-chain 3	FACL3	8701.94
GF201	742780	AA400189	Hs.97786	DEAD/H (Asp-Glu-Ala- Asp/His) box binding protein 1	DDXBP1	8698.095
GF201	204686	H57136	Hs.160318	ESTs, Weakly similar to E04F6.2 gene product		8697.609
GF202	726438	AA399237	Hs.122713	[C.elegans] FXD domain-containing ion transport regulator 1		8696.617
GF203	48525	H14376	Hs.27947	(phospholemma) ESTs	FXD1	2.04522433
GF201	204686	H57136	Hs.95510	ESTs		8690.455
GF202	726438	AA399237	Hs.122713	ESTs		8689.43
GF203	48525	H14376	Hs.27947	ESTs		8683.889
GF201	204686	H57136	Hs.95510	ESTs		1.195368
GF202	726438	AA399237	Hs.122713	ESTs		1.89843692
GF203	48525	H14376	Hs.27947	ESTs		1.89843692

APPENDIX A

GF204	854461	AA669081	Hs.116661	Hs.116661	ESTs	8681.888	
GF202	730100	AA412446	Hs.98138	Hs.98138	ESTs	8675.877	1.65063593
GF204	50772	H16803	Hs.13467	Hs.13467	Homo sapiens BAC clone		
GF201	295857	N73499	Hs.50282	Hs.50282	NH0121A08 from 7p14-p13	8675.181	
GF203	666349	AA232575	Hs.7853	Hs.155212	GTP-binding protein ragB	8670.197	RAGB
					methylmalonyl Coenzyme A mutase		
					Homo sapiens mRNA; cDNA	8664.655	1.68410934
					DKFZp434K0614 (from clone		
GF201	264609	N20237	Hs.108903	Hs.108903	DKFZp434K0614); partial cds	8663.761	
					Human DNA sequence from		
					clone 1163J1 on chromosome		
					22q13.2-13.33. Contains the 3'		
					part of a gene for a novel		
					KIAA0279 LIKE EGF-like		
					domain containing protein		
					(similar to mouse Celsr1, rat		
					MEGF2), a novel gene for a		
					protein similar to C. elegans		
GF202	797001	AA463508	Hs.103293	Hs.122552	B0035.16 a	8662.993	2.39736552
					epidermal growth factor		
GF200	823943	AA490223	Hs.79095	Hs.79095	receptor pathway substrate 15	8647.416	1.39619216
GF204	1467300	AA884749	Hs.125677	Hs.163352	ESTs	8638.117	
GF202	259275	N32847	Hs.44392	Hs.44392	ESTs	8636.748	1.22638043
GF202	322615	W15296	Hs.94535	Hs.94535	ESTs	8635.452	2.15916285
GF200	243656	N49895	Hs.46980	Hs.192052	ESTs	8631.807	2.09166429
GF200	470216	AA028987	Hs.118483	Hs.22564	myosin VI	8627.219	1.43400555
					ESTs, Moderately similar to		
GF201	285460	N66396	Hs.37124	Hs.167766	Pro-a2(XI) [H.sapiens]	8619.772	
GF202	322219	W37999	Hs.103018	Hs.24336	Homo sapiens mRNA for	8617.336	2.19264611
GF201	811149	AA485743	Hs.18075	Hs.18075	KIAA1321 protein, partial cds		
					chromosome 9 open reading		
					frame 3	8617.051	C9ORF3

APPENDIX A

GF201	882511	AA676470	Hs.94471	Hs.277721	membrane component, chromosome 17, surface marker 2 (ovarian carcinoma antigen CA125) Homo sapiens cDNA FLJ20813 fis, clone ADSE01247 ESTs ESTs, Highly similar to endothelial nitric oxide synthase [H.sapiens] phosphodiesterase 1B, calmodulin-dependent Homo sapiens cDNA FLJ10892 fis, clone NT2RP4002298 matrix metalloproteinase 7 (matrilysin, uterine) ESTs ESTs, Highly similar to HSPC003 [H.sapiens] ESTs ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens] ESTs, Weakly similar to neuronal voltage-gated calcium channel gamma-2 subunit [H.sapiens] chromosome condensation 1- like ESTs cytochrome c oxidase subunit VIIc hypothetical protein	M17S2	8615.822	1.24723743 1.67157149
GF202	767985	AA418826	Hs.60350	Hs.213640			8586.641	
GF203	768432	AA495904	Hs.103316	Hs.103316			8575.13	
GF200	150466	H01039	Hs.76983	Hs.278222			8565.763	-1.2117187
GF203	179617	H51117	Hs.23720	Hs.203238		PDE1B	8553.338	1.85927378
GF202	34345	R44163	Hs.91414	Hs.12457			8541.103	1.80294232
GF200	470393	AA031513	Hs.2256	Hs.2256		MMP7	8540.037	1.21313625
GF201	810263	AA464728	Hs.87430	Hs.184598			8538.348	
GF204	1492238	AA875936	Hs.25635	Hs.25635			8537.538	
GF201	41103	R56769	Hs.52200	Hs.268728			8488.086	
GF203	361255	AA016300	Hs.30036	Hs.30036			8453.043	1.17273779
GF202	290213	N64379	Hs.94159	Hs.90207			8452.701	1.32067531
GF200	768316	AA495766	Hs.89433	Hs.27007		CHC1L	8451.226	1.27522039
GF202	289594	N62780	Hs.94122	Hs.94122			8449.921	2.05977047
GF202	884480	AA629719	Hs.3462	Hs.3462		COX7C	8449.152	2.26218308
GF201	504358	AA131885	Hs.13475	Hs.13475		LOC51057	8448.155	



GF202	255295	N23717	Hs.38959	Hs.38959	ESTs		8440.416	1.05695816
GF200	842894	AA489275	Hs.76941	Hs.76941	ATPase, Na+/K+ transporting, beta 3 polypeptide	ATP1B3	8433.608	1.29274333
GF204	431873	AA678375	Hs.117120	Hs.117120	EST		8430.948	
					eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD)	EIF2B2		
GF200	187266	R86304	Hs.74136	Hs.170001	Homo sapiens mRNA; cDNA DKFZp434M196 (from clone DKFZp434M196)		8427.389	1.15708578
GF204	745387	AA625752	Hs.14898	Hs.14898	ESTs		8395.392	
GF201	283405	N52782	Hs.47261	Hs.47261	ESTs		8393.605	
GF203	814964	AA465529	Hs.5735	Hs.5735	ESTs		8392.279	1.87891646
					Homo sapiens mRNA; cDNA DKFZp761N0823 (from clone DKFZp761N0823)			
GF200	295514	W23546	Hs.94307	Hs.61809	ESTs, Highly similar to supported by GENSCAN prediction and spliced EST [H.sapiens]		8373.27	2.36574485
GF203	277346	N57487	Hs.46744	Hs.46744	Homo sapiens cDNA FLJ20150 fis, clone COL08263			
GF201	321908	W37680	Hs.55588	Hs.108502	CASP2 and RIPK1 domain containing adaptor with death domain	CRADD	8367.542	
GF200	24032	R37937	Hs.90863	Hs.155566	Homo sapiens mRNA; cDNA DKFZp761G1211 (from clone DKFZp761G1211)		8366.904	1.23389467
GF200	142551	R70769	Hs.99628	Hs.3532	platelet-derived growth factor receptor, beta polypeptide		8358.895	1.39509335
GF200	40643	R56211	Hs.76144	Hs.76144	ESTs	PDGFRB	8345.422	1.14349045
GF203	306466	N92724	Hs.125258	Hs.125258	ESTs		8337.771	1.10323248
GF204	147088	R80603	Hs.24941	Hs.8241	ESTs		8335.86	
GF203	768940	AA425782	Hs.27973	Hs.27973	KIAA0874 protein	KIAA0874	8327.587	1.1941594
GF201	320343	W04645	Hs.13743	Hs.13743	ESTs		8316.698	

APPENDIX A

GF204	878640	AA670197	Hs.19114	Hs.19114	high-mobility group (nonhistone chromosomal) protein 4	HMG4	8314.801
GF202	730589	AA435978	Hs.98852	Hs.98852	EST		8314.33
					ESTs, Weakly similar to reverse transcriptase		1.32471817
GF204	824054	AA491209	Hs.105265	Hs.105265	[M.musculus]		8312.946
GF202	345103	W72792	Hs.127469	Hs.125124	EphB2	EPHB2	8305.62
					ESTs, Weakly similar to similar to Glutaredoxin, Zinc finger, C3HC4 type		1.1061032
GF202	34641	R44404	Hs.21536	Hs.21536	[C.elegans]		8301.904
GF203	878798	AA670408	Hs.75415	Hs.75415	beta-2-microglobulin	B2M	2.32328872
GF202	593215	AA165679	Hs.32602	Hs.139648	KIAA0706 gene product	KIAA0706	8298.218
GF203	282935	N45129	Hs.3994	Hs.3994	ESTs		8297.439
					ESTs, Weakly similar to !!!! ALU SUBFAMILY J		8283.595
					WARNING ENTRY !!!!		1.92378901
GF200	292966	N63753	Hs.35009	Hs.35009	[H.sapiens]		8283.38
GF202	272918	N36083	Hs.44780	Hs.44780	EST		1.1986266
GF202	49435	H15396	Hs.107510	Hs.107510	ESTs		8282.707
					thyroid receptor interacting protein 15	TRIP15	8280.787
GF203	745333	AA625651	Hs.30212	Hs.30212	Homo sapiens clone 24554		8279.604
GF202	781036	AA446446	Hs.104788	Hs.104788	unknown mRNA		1.49129362
					Homo sapiens cDNA		8278.759
					FLJ10630 fis, clone		1.30124165
GF202	753940	AA479106	Hs.22595	Hs.22595	NT2RP2005622		8277.325
					Homo sapiens cDNA		1.12548104
					FLJ20352 fis, clone		
GF203	712950	AA282273	Hs.14791	Hs.14791	HEP14524		8270.577
GF202	276396	N40177	Hs.45048	Hs.45048	EST		1.53238972
GF201	239615	H79538	Hs.40038	Hs.269001	ESTs		8266.11
GF202	743306	AA400488	Hs.29198	Hs.189172	ESTs		8263.334
GF201	34140	R44739	Hs.79381	Hs.79381	grancalcin	GCL	8243.071
GF203	878681	AA775364	Hs.111222	Hs.111222	ribosomal protein L30	RPL30	8242.961
							8239.617
							1.2392197

## APPENDIX A

GF200	206781	R98074	Hs.35815	Hs.172382	Homo sapiens cDNA FLJ20001 fis, clone ADKA01273	8237.328	1.14728653
GF200	210565	H65839	Hs.38422	Hs.268956	ESTs	8229.37	1.60610319
GF200	240033	H82325	Hs.5605	Hs.5605	Homo sapiens mRNA; cDNA DKFZp434L162 (from clone DKFZp434L162)	8216.922	1.23694616
GF201	810948	AA459383	Hs.106856	Hs.11861	thyroid hormone receptor- associated protein, 240 kDa subunit	8206.035	
GF204	23018	R43580	Hs.124956	Hs.4552	ubiquilin 2	8198.057	
GF202	502215	AA127234	Hs.91600	Hs.91600	SEEK1 protein	8195.144	1.22203419
GF201	278049	N63476	Hs.48800	Hs.48800	ESTs	8193.702	
GF202	345032	W72293	Hs.8861	Hs.8861	ESTs	8190.445	-1.1147877
GF200	233078	H75699	Hs.11711	Hs.11711	KIAA0329 gene product	8188.929	-1.0100927
GF204	1588431	AA975243	Hs.13778	Hs.226372	DKFZP434J154 protein	8185.619	
GF201	345332	W72557	Hs.57836	Hs.57836	ESTs	8182.263	
GF201	132248	R26404	Hs.10727	Hs.10727	ESTs	8176.688	
GF203	824128	AA490612	Hs.38239	Hs.261700	ESTs	8168.409	1.41179676
GF200	491232	AA152294	RG.60	Hs.25363	presenilin 2 (Alzheimer disease 4)	8161.297	1.23652446
GF201	177967	H46254	Hs.2682	Hs.2682	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	8159.517	
GF203	884606	AA630006	Hs.6019	Hs.6019	ESTs	8151.208	1.49216105
GF203	43679	H05939	Hs.107384	Hs.107384	ESTs	8146.486	1.6181721
GF200	41929	R59062	Hs.117517	Hs.7885	Clathrin assembly lymphoid- myeloid leukemia gene ESTs, Weakly similar to X- linked retinopathy protein	8146.015	1.16670478
GF203	322186	W37880	Hs.118269	Hs.118269	[H.sapiens]	8127.004	1.78597279
GF201	291974	N73091	Hs.53842	Hs.3463	ribosomal protein S23	8122.643	
GF201	280957	N50853	Hs.47130	Hs.47130	ESTs	8121.875	
GF202	1056252	AA621062	Hs.112942	Hs.112942	ESTs	8120.284	1.2254772
GF200	815530	AA457036	Hs.75136	Hs.172813	PAK-interacting exchange factor beta	8113.979	1.09684583

## APPENDIX A

GF204	1632011	AA994689	Hs.78518	Hs.78518	natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic peptide receptor B)	NPR2	8111.015	
GF203	148914	R82802	Hs.126272	Hs.21103	Homo sapiens mRNA; cDNA DKFZp564B076 (from clone DKFZp564B076)		8109.569	1.5481614
GF201	796110	AA460950	Hs.104538	Hs.252317	ESTs		8088.848	
					aminolevulinatase, delta-, synthase 2			
GF200	753346	AA410346	Hs.79103	Hs.79103	(sideroblastic/hypochromic anemia)	ALAS2	8080.958	1.11664349
GF200	782587	AA447528	Hs.75275	Hs.75275	ubiquitination factor E4A (homologous to yeast UFD2)	UBE4A	8077.717	1.19759657
GF200	712848	AA282445	Hs.82548	Hs.82548	MAP-kinase activating death domain	MADD	8067.765	1.18730451
					solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kD), member 17			
GF202	784253	AA446906	Hs.62245	Hs.62245	epididymis-specific, whey-acidic protein type, four-disulfide core; putative ovarian carcinoma marker	SLC25A17	8059.938	1.63233812
					ESTs			
GF200	786675	AA451904	Hs.2719	Hs.2719	ESTs	HE4	8058.217	-1.0233737
GF200	200402	R96941	Hs.70704	Hs.70704	ESTs		8057.116	1.14205924
GF204	1034699	AA779892	Hs.100890	Hs.100890	ESTs		8052.789	
					ESTs, Weakly similar to butyrophilin [H.sapiens]			
GF203	1240160	AA706311	Hs.119955	Hs.181223	ESTs		8050.739	1.63031611
GF202	321993	W37815	Hs.55560	Hs.55560	ESTs		8031.793	1.64008096
GF203	298612	N74285	Hs.6998	Hs.155174	KIAA0432 gene product	KIAA0432	8026.515	1.44327983
					Homo sapiens mRNA; cDNA DKFZp434C136 (from clone DKFZp434C136)			
GF200	345047	W74352	Hs.11582	Hs.6567	ESTs		8017.067	1.36728353
GF204	1034596	AA779811	Hs.122115	Hs.122115	ESTs		8008.087	
GF200	782618	AA448533	Hs.2358	Hs.174135	KIAA0117 protein	KIAA0117	7998.59	1.2679496

APPENDIX A

GF201	344595	W73634	Hs.55412	Hs.55412	ESTs, Weakly similar to c29 [M.musculus]	7990.361
GF200	126221	R06309	Hs.19650	Hs.154718	tumor protein D52-like 2	1.25234211
GF200	135654	R31575	Hs.24407	Hs.160550	ESTs	1.30466156
GF200	130773	R22156	Hs.103061	Hs.100651	golgi SNAP receptor complex member 2	7986.817
GF200	723986	AA410680	Hs.78517	Hs.170453	tropomodulin	7981.757
GF201	782581	AA447525	Hs.60177	Hs.60177	KIAA0996 protein	7970.227
GF200	898032	AA598942	Hs.76989	Hs.76989	KIAA0097 gene product	7966.511
GF204	22278	T82457	Hs.13206	Hs.134406	Homo sapiens cDNA	7951.868
GF204	744067	AA629282	Hs.98260	Hs.98260	FLJ20511 fis, clone KAT09708	7951.468
GF204	882694	AA780712	Hs.122696	Hs.155976	ESTs	7939.393
GF203	897033	AA676768	Hs.12185	Hs.12185	cullin 4B	
GF201	811590	AA454607	Hs.38114	Hs.38114	ESTs, Weakly similar to	
GF201	460114	AA676840	Hs.104252	Hs.17401	myosin phosphatase target subunit 1 [H.sapiens]	7936.859
GF203	280888	N47542	Hs.118028	Hs.121073	Homo sapiens cDNA	1.61288522
GF204	1536967	AA933871	Hs.26479	Hs.26479	FLJ1100 fis, clone	
GF200	309776	N94588	RG.36	Hs.195175	PLACE1005550	7935.935
GF201	795424	AA453520	Hs.97823	Hs.97823	utrophin (homologous to dystrophin)	7933.063
GF201	841179	AA487064	Hs.75584	Hs.75584	Homo sapiens mRNA; cDNA	
GF201	294281	N64426	Hs.48164	Hs.168672	DKFZp434K0172 (from clone DKFZp434K0172)	7923.876
GF201	347661	W81546	Hs.58419	Hs.58419	limbic system-associated membrane protein	1.89597845
					CASP8 and FADD-like	7920.306
					apoptosis regulator	
					Homo sapiens mRNA; cDNA	
					DKFZp434D024 (from clone DKFZp434D024)	7918.234
					polymyositis/scleroderma autoantigen 2 (100kD)	1.35029526
					ESTs	
					DKFZP586L2024 protein	
					PMSCL2	
					DKFZP586L2024	

APPENDIX A

GF202	289647	N62867	Hs.48652	Hs.230617	EST	7903.768	1.82364822
GF201	290893	N72009	Hs.69081	Hs.206710	ESTs	7901.706	
GF202	796718	AA460698	Hs.55044	Hs.55044	DKFZP586H2123 protein	7898.191	1.42009111
GF200	245531	N77326	Hs.102521	Hs.182470	PTD010 protein	7894.841	1.07430657
GF202	245583	N55187	Hs.109335	Hs.128629	ESTs	7885.269	1.20403111
GF202	782617	AA447561	Hs.99118	Hs.90691	nucleophosmin/nucleoplasmin, 3	7880.652	1.55301348
GF202	730746	AA435990	Hs.48419	Hs.48419	ESTs	7879.803	1.17284935
GF200	787857	AA452374	Hs.75923	Hs.154546	syntaxin 5A	7875.128	1.19285781
GF201	322461	W15305	Hs.35198	Hs.35198	ESTs	7873.206	
GF203	726479	AA399377	Hs.21630	Hs.94376	proprotein convertase subtilisin/kexin type 5	7869.435	2.13950376
GF202	270603	N33323	Hs.44469	Hs.44469	EST	7868.699	2.29297864
GF201	809521	AA454579	Hs.105024	Hs.44592	Homo sapiens HMT-1 mRNA for beta-1,4		
GF202	283309	N51427	Hs.54032	Hs.110347	mannosyltransferase, complete cds	7868.045	
GF202	305325	N94746	Hs.94483	Hs.169908	REV1 protein	7864.086	2.05748332
GF201	302933	N90109	Hs.118127	Hs.79110	ESTs	7860.754	1.51288985
GF200	137017	R35665	Hs.77432	Hs.77432	nucleolin	7858.593	
GF203	811067	AA485453	Hs.52794	Hs.250911	epidermal growth factor receptor (avian erythroblastic		
GF203	814432	AA458934	Hs.23645	Hs.179912	leukemia viral (v-erb-b) oncogene homolog	7857.249	1.3958074
GF201	741958	AA402891	Hs.32951	Hs.32951	interleukin 13 receptor, alpha 1		
GF200	782047	AA429602	Hs.78862	Hs.241552	ESTs	7856.672	-1.0578524
GF203	768271	AA424813	Hs.29692	Hs.29692	solute carrier family 29 (nucleoside transporters), member 2	7854.315	1.39364909
GF204	878409	AA670355	Hs.116706	Hs.116706	KIAA0268 protein	7846.429	
GF202	781004	AA446001	Hs.49210	Hs.49210	ESTs	7845.026	1.22887189
GF203	1091543	AA599311	Hs.77860	Hs.15202	EST	7820.456	1.85318753
GF201	309081	N92895	Hs.29900	Hs.29900	ESTs	7818.713	
					chimerin (chimaerin) 2	7818.423	1.28035194
					KIAA0960 protein	7813.634	1.71347846
						7812.096	
					SLC29A2		
					KIAA0268		
					CHN2		
					KIAA0960		

## APPENDIX A

GF203	726905	AA398235	Hs.97631	Hs.97631	ESTs		7806.495	1.29022813
GF200	344141	W69791	Hs.94804	Hs.259768	adenylate cyclase 1 (brain) pleckstrin homology, Sec7, and coiled-coil domains	ADCY1	7790.678	1.07210806
GF200	824531	AA490903	Hs.270	Hs.270	protein-binding protein	PSCDBP	7790.278	1.31270854
GF202	595297	AA173972	Hs.32018	Hs.32018	SNARE associated protein	SNAPAP	7786.538	1.55919438
GF203	1388373	AA844124	Hs.21454	Hs.21454	snapin		7781.971	1.68745952
GF200	795173	AA453978	Hs.69743	Hs.69743	ESTs		7779.542	1.17476877
GF201	282996	N51260	Hs.32155	Hs.196275	GM2 ganglioside activator protein	GM2A	7779.254	
GF203	725745	AA399223	Hs.8310	Hs.177633	KIAA0240 protein	KIAA0240	7771.13	1.34306328
GF204	283329	N51438	Hs.98279	Hs.98279	ESTs		7769.63	
GF200	150466	H01788	Hs.117584	Hs.278222	ESTs, Highly similar to endothelial nitric oxide synthase [H.sapiens]		7755.534	-1.2375419
GF200	135688	R32406	Hs.107251	Hs.760	GATA-binding protein 2	GATA2	7755.3	-1.0391775
GF201	809993	AA454861	Hs.94543	Hs.264549	ESTs, Highly similar to !!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens]		7744.754	
GF200	342378	W65461	Hs.2128	Hs.2128	dual specificity phosphatase 5	DUSP5	7741.705	-1.0034624
GF202	743155	AA399969	Hs.127258	Hs.127258	ESTs		7735.086	2.01018256
GF202	46050	H09062	Hs.30893	Hs.30893	ESTs		7719.961	2.03959853
GF203	812033	AA455896	Hs.2699	Hs.2699	glypican 1	GPC1	7706.26	1.07658289
GF201	83388	T68461	Hs.9665	Hs.260665	ESTs		7680.265	
GF204	460761	AA700355	Hs.118344	Hs.118344	ESTs		7678.811	
GF200	292679	N62695	Hs.91003	Hs.91003	ESTs		7677.524	1.8888178
GF203	1160558	AA877347	Hs.366	Hs.366	6-pyruvoyltetrahydropterin synthase	PTS	7677.145	1.12551185
GF201	501778	AA127879	Hs.84850	Hs.106101	ESTs, Weakly similar to !!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens]		7673.169	

APPENDIX A

GF201	754406	AA436187	Hs.1763	Hs.172631	integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide) ESTs N-myristoyltransferase 1 adenylate kinase 2 KIAA0637 gene product ESTs ESTs nuclear autoantigenic sperm protein (histone-binding) ESTs pleiomorphic adenoma gene-like 2	ITGAM	7671.921
GF201	488115	AA054704	Hs.16314	Hs.167942			7669.89
GF200	785371	AA448910	Hs.111039	Hs.111039		NMT1	7669.641
GF201	45464	H09730	Hs.83833	Hs.171811		AK2	7662.986
GF201	282561	N52078	Hs.47417	Hs.13604		KIAA0637	7662.714
GF201	263836	H99766	Hs.42672	Hs.114970			7661.34
GF203	788386	AA456413	Hs.9567	Hs.9567			7644.7
GF201	845415	AA644128	Hs.68875	Hs.243886		NASP	7644.69
GF204	502463	AA134771	Hs.114970	Hs.114970			7639.332
GF203	460899	AA704187	Hs.19649	Hs.154104		PLAGL2	7639.243
GF200	321605	W32907	Hs.7954	Hs.181634	Human Chromosome 16 BAC clone CIT987SK-A-61E3 ESTs ESTs U3 snoRNP-associated 55-kDa protein ESTs Homo sapiens cDNA FLJ20772 fis, clone COL06053 ESTs, Weakly similar to alternatively spliced product using exon 13A [H.sapiens] ESTs, Highly similar to calcium-activated potassium channel rSK2 [R.norvegicus] ATP-binding cassette, sub-family A (ABC1), member 1		7628.677
GF202	796328	AA461317	Hs.115577	Hs.247150			7625.377
GF202	842760	AA486182	Hs.17975	Hs.17975			7624.872
GF203	814086	AA465355	Hs.6297	Hs.153768		U3-55K	7624.092
GF201	795407	AA453518	Hs.98023	Hs.98023			7620.156
GF202	950891	AA608716	Hs.9925	Hs.9925			7619.915
GF202	609228	AA179161	Hs.73562	Hs.109259			7610.611
GF203	767449	AA418000	Hs.98280	Hs.98280			7610.408
GF203	827168	AA521292	Hs.19067	Hs.211562		ABCA1	7603.996
GF203	827168	AA521292	Hs.19067	Hs.211562			1.67847756
GF200	321605	W32907	Hs.7954	Hs.181634	Human Chromosome 16 BAC clone CIT987SK-A-61E3 ESTs ESTs U3 snoRNP-associated 55-kDa protein ESTs Homo sapiens cDNA FLJ20772 fis, clone COL06053 ESTs, Weakly similar to alternatively spliced product using exon 13A [H.sapiens] ESTs, Highly similar to calcium-activated potassium channel rSK2 [R.norvegicus] ATP-binding cassette, sub-family A (ABC1), member 1		1.26680586
GF202	796328	AA461317	Hs.115577	Hs.247150			1.09583828
GF202	842760	AA486182	Hs.17975	Hs.17975			2.16415989
GF203	814086	AA465355	Hs.6297	Hs.153768		U3-55K	1.6585438
GF201	795407	AA453518	Hs.98023	Hs.98023			1.6585438
GF202	950891	AA608716	Hs.9925	Hs.9925			2.55799015
GF202	609228	AA179161	Hs.73562	Hs.109259			2.46651665
GF203	767449	AA418000	Hs.98280	Hs.98280			1.36923216
GF203	827168	AA521292	Hs.19067	Hs.211562		ABCA1	1.67847756
GF203	827168	AA521292	Hs.19067	Hs.211562			1.67847756



APPENDIX A

GF201	811040	AA485425	Hs.48919	Hs.48919	ESTs	7585.59
GF201	840663	AA488062	Hs.7149	Hs.7149	ESTs	7583.181
GF204	1472539	AA872279	Hs.6834	Hs.6834	KIAA1014 protein	7571.937
GF204	1292125	AA707617	Hs.120299	Hs.120299	ESTs	7570.011
					Homo sapiens cDNA	
					FLJ10500 fis, clone	
GF201	782460	AA431438	Hs.15855	Hs.173374	NT2RP2000369	7562.547
GF203	256513	H95140	Hs.125229	Hs.125229	ESTs	7552.526
					Ras homolog enriched in brain	-1.0999661
GF203	756401	AA482117	Hs.91185	Hs.177507	2	7536.346
GF201	359684	AA011100	Hs.47289	Hs.47289	ESTs	7531.811
					dentatorubral-pallidoluysian	
GF200	45291	H08642	Hs.3143	Hs.169488	atrophy (atrophin-1)	7530.268
GF203	1376853	AA812996	Hs.116481	Hs.116481	CD72 antigen	7528.71
					Homo Sapiens mRNA, partial	1.13241319
					cDNA sequence from cDNA	1.35308481
GF202	897485	AA496916	Hs.66185	Hs.66185	selection, DCR1-16.0	7523.271
GF203	752754	AA417900	Hs.4296	Hs.141269	ESTs	7522.843
					protein tyrosine phosphatase,	
GF201	773567	AA428195	Hs.82829	Hs.82829	non-receptor type 2	7521.21
					Human DNA sequence from	
					clone 717M23 on	
					chromosome 20 Contains a	
					novel gene, ESTs, STSs,	
					GSSs and CpG Islands	
GF201	277208	N40959	Hs.107266	Hs.29846	ATPase, Ca++ transporting,	7517.546
					plasma membrane 1	
GF203	685626	AA262804	Hs.78546	Hs.78546	ESTs	7516.146
GF203	785540	AA450334	Hs.24945	Hs.24945	ATP2B1	7513.193
					eukaryotic translation initiation	
GF202	627630	AA196275	Hs.25711	Hs.106711	factor 4E binding protein 3	7506.929
GF200	347224	W80964	Hs.106728	Hs.106728	ESTs	7498.419
					member of MYST family	
					histone acetyl transferases,	
GF202	277956	N63425	Hs.109406	Hs.42343	homolog of Drosophila MOF	7490.776
					MOF	1.97455669

## APPENDIX A

GF201	770997	AA427715	Hs.55189	Hs.55189	hypothetical protein Homo sapiens mRNA; cDNA DKFZp434L0435 (from clone DKFZp434L0435) ESTs	LOC51251	7489.634
GF204	448591	AA777268	Hs.121905	Hs.145513			7483.712
GF201	292068	N73301	Hs.33263	Hs.33263			7478.462
GF200	826135	AA521346	Hs.8724	Hs.8724	serine threonine protein kinase NDR		7478.301
GF202	859422	AA666180	Hs.67619	Hs.239752	nuclear receptor subfamily 2, group F, member 6	NR2F6	7468.29
					ESTs, Moderately similar to transcription repressor protein PRDI-BF1 [H.sapiens] EST ESTs		7466.861 7463.369 7447.996
GF204	1276486	AA694500	Hs.120344	Hs.116328	Homo sapiens mRNA; cDNA		
GF202	308105	N95322	Hs.55134	Hs.207250	DKFZp434B2328 (from clone DKFZp434B2328); partial cds		2.33042136
GF204	435720	AA700764	Hs.115033	Hs.115033	ESTs, Moderately similar to !!! ALU SUBFAMILY SX WARNING ENTRY !!!		
GF201	344854	W72972	Hs.55565	Hs.55565	[H.sapiens] ESTs		7440.602 7439.59
GF203	266849	N23134	Hs.43329	Hs.184596	A kinase (PRKA) anchor protein 4	AKAP4	
GF204	506531	AA709027	Hs.120170	Hs.120170	Tax interaction protein 1 EST	TIP-1	1.27850449 1.43386579
GF204	1643144	AI025520	Hs.97633	Hs.97633	neurochondrin	KIAA0607	2.02029103
GF200	770884	AA434504	Hs.12956	Hs.12956	exostoses (multiple)-like 3	EXTL3	1.4145573
GF202	730544	AA435936	Hs.98842	Hs.98842	ESTs		
GF202	272169	N35489	Hs.94653	Hs.94653	ESTs		
GF203	451871	AA706935	Hs.9018	Hs.9018	ESTs		
GF201	321330	W32375	Hs.6729	Hs.6729	Homo sapiens mRNA; cDNA		
GF204	26842	R39899	Hs.12292	Hs.12292	DKFZp434P1530 (from clone DKFZp434P1530)		7419.105 7412.795
GF204	1467504	AA883829	Hs.125511	Hs.125511	ubiquitin carrier protein E2-C	UBCH10	7409.286
GF204	146882	R80790	Hs.113725	Hs.93002			7402.077

APPENDIX A

GF202	291891	N73011	Hs.54320	Hs.54320	Homo sapiens mRNA; cDNA DKFZp762D096 (from clone DKFZp762D096); partial cds Homo sapiens mRNA; cDNA DKFZp434N1526 (from clone DKFZp434N1526) ESTs, Weakly similar to RAR- RESPONSIVE PROTEIN	7394.604	1.74251999
GF200	137971	R63172	Hs.22937	Hs.22937	TIG1 [H.sapiens] ataxin 2 related protein ESTs zinc finger protein 74 (Cos52) L1 cell adhesion molecule (hydrocephalus, stenosis of aqueduct of Sylvius 1, MASA (mental retardation, aphasia, shuffling gait and adducted thumbs) syndrome, spastic paraplegia 1) ESTs, Highly similar to WWP2 [H.sapiens] EST ESTs KIAA0923 protein protein kinase C, beta 1 deiodinase, iodothyronine, type III ESTs, Weakly similar to putative protein RFX-Bdelta4 [H.sapiens] ESTs, Weakly similar to TRANSFORMATION- SENSITIVE PROTEIN IEF SSP 3521 [H.sapiens]	7383.094	1.22177034
GF200	325070	W47077	Hs.94667	Hs.109276		7382.977	1.00836558
GF200	470179	AA029963	Hs.43509	Hs.43509	A2LP	7375.238	1.07009941
GF201	795397	AA453288	Hs.90088	Hs.218260		7367.562	
GF201	884790	AA629838	Hs.3057	Hs.3057	ZNF74	7366.289	
GF201	269787	N27145	Hs.42923	Hs.1757	L1CAM	7358.784	
GF201	140174	R66082	Hs.98978	Hs.98978		7357.567	
GF204	745466	AA625955	Hs.116109	Hs.116109		7353.93	
GF200	194401	R83017	Hs.33345	Hs.204828		7353.472	1.75676243
GF204	1505784	AA909354	Hs.121007	Hs.22587	KIAA0923	7343.938	
GF200	753923	AA479102	Hs.77202	Hs.77202	PRKCB1	7342.518	1.23497834
GF201	296032	N67048	Hs.49322	Hs.49322	DIO3	7342.12	
GF203	433522	AA700625	Hs.113165	Hs.113165		7334.498	1.09832073
GF203	823582	AA497041	Hs.20242	Hs.20242		7332.038	1.53797802
GF200	813742	AA453789	Hs.90572	Hs.90572	PTK7 protein tyrosine kinase 7 PTK7	7328.066	-1.2513976

APPENDIX A

GF202	418197	W90364	Hs.38894	Hs.38894	ESTs KIAA0112 protein; homolog of yeast ribosome biogenesis regulatory protein RRS1	7327.234	1.31151542
GF200	562867	AA100612	Hs.71827	Hs.71827	spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)	7323.985	2.38577594
GF204	1256737	AA876165	Hs.125327	Hs.78497	ESTs	7311.439	
GF201	364555	AA022601	Hs.5386	Hs.203213	Homo sapiens mRNA; cDNA DKFZp586F1122 (from clone DKFZp586F1122)	7299.476	
GF201	327461	W20438	Hs.55406	Hs.5306	YDD19 protein	7288.178	
GF204	1632216	A1005330	Hs.19845	Hs.25615		7286.526	
GF201	744800	AA644448	Hs.19718	Hs.19718	protein tyrosine phosphatase, receptor type, U	7281.838	
GF203	148444	H12320	Hs.79194	Hs.79194	cAMP responsive element binding protein 1	7280.688	1.28924771
GF201	882497	AA676604	Hs.76512	Hs.173714	MORF-related gene X	7280.332	
GF203	42872	R61883	Hs.24970	Hs.24970	ESTs, Weakly similar to rab-related GTP-binding protein [H.sapiens]	7279.738	1.96154347
GF201	771254	AA443582	Hs.89991	Hs.59838	Homo sapiens cDNA FLJ10808 fis, clone NT2RP4000879, weakly similar to UBIQUITIN- ACTIVATING ENZYME E1	7276.284	
GF202	306276	N90595	Hs.54638	Hs.54638	EST	7265.977	1.8835105
GF201	770898	AA434411	Hs.98806	Hs.98806	hypothetical protein	7260.06	
GF202	281614	N48000	Hs.102627	Hs.140945	Homo sapiens mRNA; cDNA DKFZp586L141 (from clone DKFZp586L141)	7257.248	2.30167682
GF202	322676	W15495	Hs.109765	Hs.129781	chromosome 21 open reading frame 5	7256.871	1.5092056
GF201	884355	AA629542	Hs.82318	Hs.82318	WAS protein family, member 3 WASF3	7249.975	

Westbrook et al.

APPENDIX A

GF203	452345	AA700862	Hs.115617	Hs.115617	corticotropin releasing hormone-binding protein Homo sapiens cDNA FLJ20606 fis, clone KAT06232, highly similar to AF132943 Homo sapiens CGI-09 protein mRNA latent transforming growth factor beta binding protein 4 ESTs ESTs heterogeneous nuclear ribonucleoprotein L cathepsin D (lysosomal aspartyl protease) ESTs arachidonate 5-lipoxygenase-activating protein AE-binding protein 1 ESTs, Weakly similar to !!!! ALU SUBFAMILY SX WARNING ENTRY !!!! [H.sapiens] EphB6 phosphatase and tensin homolog (mutated in multiple advanced cancers 1) helicase, lymphoid-specific glycophosphatidylinositol anchor attachment 1 ESTs phosphofructokinase, muscle EST Homo sapiens mRNA; cDNA DKFZp564N072 (from clone DKFZp564N072)	CRHBP	7234.515	1.30840186
GF201	810343	AA464166	Hs.77294	Hs.128791			7229.008	
GF203	399390	AA732832	Hs.118124	Hs.85087		LTP4	7228.32	1.50025934
GF201	325283	W48817	Hs.34447	Hs.34447			7221.348	
GF204	866716	AA679219	Hs.119495	Hs.188837			7220.331	
GF203	1340595	AA937108	Hs.2730	Hs.2730		HNRPL	7219.42	1.16636929
GF201	811028	AA485373	Hs.9946	Hs.79572		CTSD	7215.442	
GF201	245768	N55266	Hs.47939	Hs.47939			7205.73	
GF203	151201	H02307	Hs.100194	Hs.100194		ALOX5AP	7204.979	1.16732006
GF200	823851	AA490684	Hs.9633	Hs.118397		AEBP1	7204.449	1.36147201
GF200	295324	W04231	Hs.53358	Hs.53358			7198.975	1.27089205
GF201	1031552	AA609284	Hs.3796	Hs.3796		EPHB6	7198.374	
GF201	322160	W37864	Hs.10712	Hs.10712		PTEN	7194.893	
GF200	308633	W25169	Hs.54990	Hs.278409		HELLS	7189.166	1.32929691
GF201	810059	AA455301	Hs.4742	Hs.4742		GPAA1	7186.462	
GF203	1240538	AA780997	Hs.122717	Hs.164679			7183.176	2.03202331
GF201	489626	AA099169	Hs.75160	Hs.75160		PFKM	7180.946	
GF202	324811	W49559	Hs.94682	Hs.143548			7173.813	1.9573548
GF201	47080	H10397	Hs.26118	Hs.26118			7158.791	

Westbrook et al.

APPENDIX A

GF201	770388	AA430665	Hs.5372	Hs.5372	claudin 4	CLDN4	7156.153
GF202	290229	N62272	Hs.48502	Hs.246858	ESTs		7153.205
GF202	281100	N50928	Hs.109279	Hs.45203	ESTs		7137.435
GF200	289143	N73634	Hs.70359	Hs.70359	KIAA0136 protein	KIAA0136	7127.667
					rearranged L-myc fusion		1.22518871
GF200	132122	R26070	Hs.13321	Hs.13321	sequence	RLF	7127.429
							1.09578856
GF201	743077	AA405987	Hs.98008	Hs.98008	glycerol kinase pseudogene 2	GKP2	7119.721
GF201	285544	N64051	Hs.48920	Hs.150477	Werner syndrome	WRN	7103.977
GF204	743749	AA634291	Hs.8661	Hs.25615	YDD19 protein	YDD19	7098.304
GF202	323806	W46341	Hs.55938	Hs.55938	ESTs		7096.389
GF201	796806	AA461174	Hs.5943	Hs.5943	rec	LOC51201	1.50458187
GF201	877827	AA625632	Hs.3297	Hs.3297	ribosomal protein S27a	RPS27A	7093.09
					ESTs, Weakly similar to ZINC		7089.571
					FINGER PROTEIN 83		
GF204	1291658	AA776810	Hs.121417	Hs.121417	[H.sapiens]		7061.801
GF201	308495	N95558	Hs.17301	Hs.17301	ESTs		7057.424
GF202	781300	AA446349	Hs.99070	Hs.99070	ESTs		7056.034
					Homo sapiens mRNA for for		
GF203	290841	N71982	Hs.20418	Hs.20418	histone H2B, clone pjG4-5-14		7047.553
					DEAD/H (Asp-Glu-Ala-		
					Asp/His) box polypeptide 18		
					(Myc-regulated)	DDX18	7037.11
GF200	127925	R08935	Hs.100555	Hs.100555	phosphorylase, glycogen; liver		1.20700622
					(Hers disease, glycogen		
					storage disease type VI)	PYGL	
GF201	505573	AA147640	Hs.83568	Hs.771	quinoid dihydropteridine		7036.583
					reductase		
GF200	23776	R38198	Hs.75438	Hs.75438	EST	QDPR	7028.806
GF202	796155	AA461090	Hs.124826	Hs.244531	nuclear factor of activated T-		7017.171
					cells, cytoplasmic 4	NFATC4	
GF203	725649	AA394127	Hs.77810	Hs.77810	ESTs		7014.22
GF204	462237	AA705470	Hs.30085	Hs.30085			7012.69
					Homo sapiens mRNA; cDNA		
					DKFZp434G1919 (from clone		
					DKFZp434G1919); partial cds		
GF203	383961	AA702737	Hs.23235	Hs.7256			7009.72
							1.30189651

Westbrook et al.

## APPENDIX A

GF201	45600	H08205	Hs.75138	Hs.130607	mevalonate kinase (mevalonic aciduria)	MVK	7003.361
GF204	1650615	AI022854	Hs.26201	Hs.79658	casein kinase 1, epsilon	CSNK1E	6999.573
GF201	502364	AA134753	Hs.29347	Hs.183653	ESTs		6993.555
GF202	322024	W37422	Hs.109850	Hs.268273	ESTs		6985.837
					Homer, neuronal immediate early gene, 2		1.73891042
GF202	757244	AA426025	Hs.93564	Hs.93564	EST	HOMER-2B	6983.92
GF202	283619	N52876	Hs.47567	Hs.47567	EST		1.67270406
					Homo sapiens mRNA; cDNA DKFZp434N1928 (from clone DKFZp434N1928)		-1.3366664
GF203	160609	H24940	Hs.8817	Hs.8817	ESTs		6930.908
GF203	53391	R16241	Hs.100862	Hs.132721	ESTs		6926.665
					DNA segment, numerous copies, expressed probes (GS1 gene)	DXF68S1E	1.88134579
GF200	703479	AA278240	Hs.78991	Hs.78991	ESTs		1.52163548
GF201	347586	W81432	Hs.58646	Hs.58646	YDD19 protein	YDD19	6924.465
GF202	23136	R38685	Hs.12374	Hs.25615	EH domain containing 1	EHD1	6923.791
GF201	323917	AA284180	Hs.104493	Hs.155119	DKFZP58611023 protein	DKFZP58611023	6920.292
GF200	133130	R28397	Hs.23851	Hs.111515	CDC-like kinase 2	CLK2	6917.482
GF200	713080	AA283062	Hs.73986	Hs.73986	cell division cycle 2-like 5 (cholinesterase-related cell division controller)		6908.185
					ESTs	CDC2L5	6907.772
GF203	824937	AA489042	Hs.59498	Hs.59498	butyrate response factor 2 (EGF-response factor 2)		6905.59
GF202	782769	AA448170	Hs.99154	Hs.99154	KIAA0627 protein	KIAA0627	6903.203
					EST		1.17225187
GF200	814576	AA480880	Hs.78909	Hs.78909	ESTs, Highly similar to CGI-149 protein [H.sapiens]	BRF2	6898.241
GF201	782700	AA447599	Hs.94192	Hs.108614	ESTs		6893.739
GF202	744564	AA621246	Hs.112956	Hs.112956	LBP protein	LBP-9	6890.954
					interleukin 10 receptor, alpha	IL10RA	1.35578603
GF203	756553	AA481443	Hs.5481	Hs.189658	ESTs, Weakly similar to ORF YNL227c [S.cerevisiae]		6888.413
GF202	276412	N40188	Hs.102550	Hs.11090			6887.13
GF204	1470131	AA865554	Hs.114747	Hs.114747			6886.321
GF201	757440	AA437226	Hs.327	Hs.327			6884.471
							6882.951
GF203	593457	AA159825	Hs.131887	Hs.131887			1.76806055

102020" 86226860

## APPENDIX A

GF203	726488	AA399264	Hs.78067	Hs.226799	ESTs, Highly similar to	6880.651	2.11587534
GF204	1032798	AA628431	Hs.116250	Hs.116250	HSPC039 protein [H.sapiens]	6873.339	
GF202	261664	H98777	Hs.42574	Hs.42574	EST	6869.591	2.28030198
GF204	825232	AA504131	Hs.105723	Hs.105723	ESTs	6866.271	
GF202	788526	AA452802	Hs.91244	Hs.20760	EST	6857.482	2.21382882
GF200	753620	AA478724	Hs.1477	Hs.274313	DKFZP564M182 protein	6856.843	1.40311621
GF201	144925	R78521	Hs.100985	Hs.211612	insulin-like growth factor	6845.054	
					binding protein 6		
					SEC24 (S. cerevisiae) related		
					gene family, member A		
					Homo sapiens cDNA		
					FLJ11323 fis, clone		
					PLACE1010362, weakly		
					similar to 1-		
					PHOSPHATIDYLINOSITOL		
					PHOSPHODIESTERASE		
					PRECURSOR (EC 3.1.4.10)		
GF203	38542	R49708	Hs.25625	Hs.25625	ESTs	6843.869	1.46444214
GF203	412989	AA707755	Hs.94109	Hs.94109	ESTs	6841.618	1.67233668
GF203	726693	AA398364	Hs.97615	Hs.187658	ESTs	6831.878	-2.5086967
GF200	244911	N76229	Hs.40128	Hs.177461	ribosomal protein L39	6830.477	2.41967308
GF203	38027	R59369	Hs.26651	Hs.26651	EST	6826.575	1.66442702
GF204	825622	AA504629	Hs.105728	Hs.105728	ESTs	6825.45	
GF200	594743	AA164439	Hs.75737	Hs.75737	pericentriolar material 1	6823.87	1.09872172
GF201	782433	AA431430	Hs.97714	Hs.97714	ESTs	6823.169	
GF203	683151	AA214559	Hs.61957	Hs.61957	ESTs	6817.869	1.74022251
GF204	1461724	AA884386	Hs.125574	Hs.156945	EST	6810.902	
GF202	267273	N24597	Hs.43542	Hs.43542	EST	6810.784	1.82339397
GF203	767191	AA424589	Hs.44247	Hs.44247	ESTs	6809.85	1.15747988
GF203	824001	AA490935	Hs.22557	Hs.22557	ESTs	6804.894	1.46349124
GF201	824659	AA491302	Hs.90	Hs.167927	islet cell autoantigen 1 (69kD)	6804.64	
					ICA1		
					quinone oxidoreductase		
GF200	859359	AA668595	Hs.50649	Hs.50649	homolog	6803.577	1.30269306
GF202	810235	AA464707	Hs.99621	Hs.99621	ESTs	6790.298	1.48530461
GF202	284724	N63062	Hs.48703	Hs.48703	EST	6777.484	1.6626691
					PIG3		



APPENDIX A

GF203	826226	AA521472	Hs.73435	Hs.71252	Homo sapiens mRNA; cDNA DKFZp761C169 (from clone DKFZp761C169); partial cds ESTs	6766.228 6759.375	2.12996404
GF201	428309	AA004760	Hs.30082	Hs.30082	brain and reproductive organ- expressed (TNFRSF1A modulator) DKFZP7271051 protein keratin 6B ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens] KIAA1035 protein ESTs, Moderately similar to unknown [H.sapiens] folate receptor 1 (adult) ESTs ribosomal protein L21 transcription factor AP-2 alpha (activating enhancer-binding protein 2 alpha)		
GF200	739993	AA477082	Hs.80426	Hs.80426	BRE	6759.101	1.19141227
GF201	772912	AA479910	Hs.25598	Hs.239370	DKFZP7271051	6756.517	
GF204	1486118	AA936779	Hs.127117	Hs.111758	KRT6B	6751.74	
GF201	366579	AA026686	Hs.101820	Hs.4190		6749.974	
GF203	283871	N50785	Hs.13269	Hs.21542	KIAA1035	6728.839	1.49467328
GF202	281730	N48070	Hs.118048	Hs.118048		6724.898	1.1744001
GF200	131839	R24635	Hs.73769	Hs.73769	FOLR1	6717.237	1.06387659
GF204	1460832	AA889801	Hs.125998	Hs.125998		6715.162	
GF200	810617	AA464034	Hs.75467	Hs.184108	RPL21	6714.725	2.04479861
GF201	293032	N63770	Hs.89743	Hs.18387	TFAP2A	6712.443	
GF202	730504	AA412491	Hs.98151	Hs.98151	EST, Highly similar to KIAA0972 protein [H.sapiens]	6702.026	1.61871529
GF201	322128	W37481	Hs.29860	Hs.184627	KIAA0118 protein ESTs, Highly similar to CGI-85 protein [H.sapiens] succinate dehydrogenase complex, subunit B, iron sulfur (lp) ESTs ESTs EST	6701.431	
GF203	826099	AA521414	Hs.20824	Hs.20824	exostoses (multiple)-like 2	6695.577	-1.0669181
GF200	797016	AA463565	Hs.64	Hs.64	SDHB	6688.765	1.23901732
GF203	754455	AA410301	Hs.98072	Hs.98072		6682.196	1.57739365
GF202	897884	AA598639	Hs.24790	Hs.24790		6663.16	1.81265024
GF202	1048650	AA608894	Hs.112611	Hs.112611		6656.358	2.28759613
GF201	320797	W31725	Hs.54579	Hs.61152	EXTL2	6647.156	

APPENDIX A

GF204	327112	W02729	Hs.109744	Hs.55276	KCND1	6644.222	1.67381365
GF203	815737	AA485088	Hs.7489	Hs.259737		6635.43	
GF202	731014	AA416665	Hs.24379	Hs.24379	KCNAB3	6630.051	1.59594153
GF202	309895	N94488	Hs.55054	Hs.220505	DKFZP586M1824 protein ESTs	6629.354	1.64488956
GF202	795456	AA453623	Hs.99338	Hs.99338		6624.904	1.24110273
GF204	436364	AA776455	Hs.25882	Hs.25882		6624.476	
GF201	269570	N26758	Hs.42454	Hs.42454		6620.337	
GF202	366795	AA029428	Hs.61555	Hs.61555		6620.266	1.13583003
GF203	824916	AA489015	Hs.23445	Hs.40919	ESTs, Weakly similar to similar to M. musculus MER5 and other AHPC/TSA proteins	6616.333	1.12800143
GF202	730406	AA470079	Hs.104838	Hs.104838		6613.295	1.63722269
GF200	130156	R21506	Hs.75456	Hs.75456	Human clone KDB1.2 (CAC)n/(GTG)n repeat- containing mRNA	6611.986	1.2208681
GF202	666110	AA193671	Hs.22572	Hs.22572		6611.548	1.68742608
GF201	146868	R80779	Hs.89449	Hs.89449	KIAA0580 protein mitogen-activated protein kinase kinase kinase 11	6607.328	
GF204	125193	R05506	Hs.119626	Hs.19513	ESTs, Highly similar to CGI-63 protein [H.sapiens]	6604.138	
GF203	1471829	AA873351	Hs.9020	Hs.179666	ribosomal protein L35a	6603.406	1.83376828
GF203	324596	W46783	Hs.12263	Hs.107537	ESTs	6599.998	1.56079075
GF200	814508	AA459572	Hs.36587	Hs.36587	protein phosphatase 1, regulatory subunit 7	6591.729	-1.0570962
GF202	785866	AA449300	Hs.31386	Hs.31386	ESTs, Highly similar to secreted apoptosis related protein 1 [H.sapiens]	6586.905	2.11662016
GF204	50572	H16815	Hs.17802	Hs.17802	ESTs	6576.082	
GF200	380851	AA056148	Hs.1944	Hs.252831	reticulon 3	6573.693	1.2126701
					RTN3		

APPENDIX A

GF200	760344	AA426227	Hs.2057	Hs.2057	uridine monophosphate synthetase (orotate phosphoribosyl transferase and orotidine-5'-decarboxylase)	UMPS	6573.363	1.18710081
GF203	773495	AA427924	Hs.5378	Hs.5378	spondin 1, (f-spondin)	SPON1	6570.537	1.20328486
GF200	71101	T47442	Hs.82353	Hs.82353	extracellular matrix protein	PROCR	6565.288	1.34401497
GF203	279762	N48348	Hs.31005	Hs.31005	protein C receptor, endothelial (EPCR)	ESTs	6564.113	1.07647613
GF200	83120	T68202	Hs.75879	Hs.154583	RNA binding motif protein 10	RBM10	6556.358	1.27704787
GF201	291231	N72204	Hs.43517	Hs.165096	ESTs	ESTs	6540.023	
GF204	446892	AA699679	Hs.118138	Hs.118138	nuclear receptor subfamily 1, group I, member 2	NR1I2	6537.435	
GF202	757129	AA443930	Hs.99032	Hs.99032	EST	EST	6537.427	1.78302784
GF202	897569	AA497030	Hs.105241	Hs.226262	ESTs, Weakly similar to transformation-related protein [H.sapiens]		6535.482	1.21224558
GF202	267865	N25657	Hs.93692	Hs.93692	phenylalanine-tRNA synthetase-like	FARSL	6535.313	1.06747499
GF201	358643	W96450	Hs.23111	Hs.23111	EST		6535.071	
GF204	1055666	AA628210	Hs.116214	Hs.116214	ribosomal protein S4, X-linked	RPS4X	6523.897	
GF203	1492147	AA888182	Hs.75344	Hs.75344	coatomer protein complex, subunit epsilon	COPE	6518.498	1.0488431
GF203	858979	AA776942	Hs.10326	Hs.10326	EST		6514.194	1.13912272
GF202	284584	N59450	Hs.48388	Hs.48388	p53 regulated PA26 nuclear protein	PA26	6505.245	1.19396787
GF203	813584	AA447661	Hs.14125	Hs.14125	ESTs	ESTs	6504.719	1.37626033
GF201	291091	N67678	Hs.42530	Hs.42530	ESTs	ESTs	6502.071	
GF200	125665	R07535	Hs.19973	Hs.180461	TBP-interacting protein	KIAA0829	6499.655	1.30197562
GF202	50905	H19300	Hs.28410	Hs.184786	Ets2 repressor factor	ERF	6496.87	1.48933478
GF203	755593	AA419231	Hs.110906	Hs.110906	ESTs	ESTs	6494.333	1.25975205
GF200	240050	H82330	Hs.40364	Hs.271682			6491.722	1.78570192

APPENDIX A

GF202	595637	AA173611	Hs.12702	Hs.12702	Homo sapiens mRNA; cDNA DKFP586N012 (from clone DKFP586N012)	6491.333	1.39038548
GF202	772952	AA476253	Hs.44257	Hs.44257	ESTs	6487.987	1.98022729
GF201	845441	AA644550	Hs.75187	Hs.75187	translocase of outer mitochondrial membrane 20 (yeast) homolog	6484.91	
GF202	290370	N62301	Hs.48507	Hs.48507	ESTs	6481.873	2.5830097
GF202	785851	AA449121	Hs.99210	Hs.99210	ESTs	6466.422	1.79702027
GF201	878744	AA670215	Hs.118910	Hs.118910	tumor susceptibility gene 101	6457.93	
GF201	781233	AA446316	Hs.1897	Hs.191622	ESTs	6457.788	
GF200	897840	AA598583	Hs.77257	Hs.77257	KIAA0068 protein	6443.602	1.29753586
GF202	839641	AA490109	Hs.129010	Hs.129010	ESTs	6438.536	-1.1880928
GF204	814459	AA459257	Hs.107065	Hs.111515	DKFP586I1023 protein	6435.054	
GF202	310054	N95476	Hs.102942	Hs.102942	ESTs	6419.863	2.0007994
GF200	130843	R22306	Hs.80545	Hs.228548	EST	6398.088	1.05246173
GF204	41243	R58982	Hs.26612	Hs.26612	ESTs, Moderately similar to !!! ALU SUBFAMILY SQ	6394.676	
GF201	415529	W80632	Hs.110630	Hs.110630	WARNING ENTRY !!! [H.sapiens] Human BRCA2 region, mRNA sequence CG006	6391.201	
GF200	760298	AA425938	Hs.18069	Hs.18069	protease, cysteine, 1 (legumain)	6385.453	1.12444683
GF200	232899	H75578	Hs.91393	Hs.91393	Homo sapiens mRNA; cDNA DKFP564G163 (from clone DKFP564G163)	6380.174	1.72099727
GF201	810515	AA464542	Hs.31137	Hs.31137	protein tyrosine phosphatase, receptor type, epsilon polypeptide	6376.778	
GF200	504763	AA148736	Hs.72082	Hs.252189	syndecan 4 (amphiglycan, ryudocan)	6373.03	1.16233247
GF201	112565	T91080	Hs.5255	Hs.121587	ESTs	6369.845	
GF202	290162	N63286	Hs.48754	Hs.48754	ESTs	6366.333	2.34356026
GF203	451092	AA704508	Hs.48333	Hs.48333	ESTs	6364.891	1.48472977
GF202	279536	N48872	Hs.46543	Hs.141461	EST	6357.852	1.22943377

APPENDIX A

GF201	365883	AA025421	Hs.78859	Hs.182423	ES1 (zebrafish) protein, human homolog of	C21ORF33	6343.485
GF203	280490	N51629	Hs.102664	Hs.102664	vesicle-associated membrane protein 4	VAMP4	6341.021
GF203	35300	R43798	Hs.21543	Hs.21543	KIAA0869 protein	KIAA0869	6340.228
					Homo sapiens cDNA		
GF201	809879	AA455138	Hs.55024	Hs.55024	FLJ10307 fis, clone		6339.457
GF202	788109	AA453176	Hs.54404	Hs.77613	NT2RM2000259		6339.319
					ataxia telangiectasia and Rad3 related	ATR	1.62158853
					Homo sapiens mRNA; cDNA		
GF200	284592	N76193	Hs.107286	Hs.274453	DKFZp762A227 (from clone		6334.272
GF200	243317	H95086	Hs.42011	Hs.205572	DKFZp762A227)		6327.561
GF203	700461	AA290631	Hs.99701	Hs.99701	ESTs		6322.275
GF201	73436	T55407	Hs.9879	Hs.9879	ESTs		6320.532
GF204	745367	AA625673	Hs.119337	Hs.131925	ESTs		6316.838
					ESTs, Weakly similar to GEF- 2 protein [H.sapiens]		6311.699
GF200	755037	AA411324	Hs.67878	Hs.250911	interleukin 13 receptor, alpha 1	IL13RA1	1.22435388
GF202	79217	T57773	Hs.10263	Hs.10263	ESTs		6302.262
GF202	281545	N51601	Hs.47299	Hs.47299	EST		6299.527
GF202	289071	N63609	Hs.48830	Hs.48830	EST		6296.717
					ESTs, Moderately similar to !!! ALU SUBFAMILY SP		
					WARNING ENTRY !!!!		
GF202	950924	AA608729	Hs.53409	Hs.271914	[H.sapiens]		6289.774
GF204	153646	R48844	Hs.118485	Hs.172928	collagen, type I, alpha 1	COL1A1	6281.915
					ESTs, Highly similar to		
GF204	744923	AA625809	Hs.98846	Hs.98846	KIAA0776 protein [H.sapiens]		6268.318
GF204	1468921	AA884114	Hs.125549	Hs.125549	ESTs		6266.58

## APPENDIX A

GF201	323577	W45518	Hs.112452	Hs.79410	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)	SLC4A2	6258.176
GF203	38347	R49439	Hs.106309	Hs.106309	Friend of GATA2	FOG2	6246.573
GF202	418337	W92715	Hs.59358	Hs.59358	EST		6239.44
GF201	854401	AA668959	Hs.2689	Hs.2689	protein kinase, cGMP-dependent, type I	PRKG1	6235.016
GF200	241179	H91121	Hs.93270	Hs.267992	ESTs		6231.484
GF200	49710	H29077	Hs.75175	Hs.150101	lysosomal-associated membrane protein 1	LAMP1	6226.239
					ESTs, Moderately similar to !!!!		1.24441267
GF202	841280	AA487192	Hs.51527	Hs.241569	ALU SUBFAMILY SQ		
					WARNING ENTRY !!!!		
					[H.sapiens]		6216.735
GF202	898195	AA598567	Hs.44268	Hs.44268	Homo sapiens mRNA for KIAA1341 protein, partial cds		-1.4079896
GF202	271855	N35222	Hs.44705	Hs.44705	ESTs		6215.124
GF200	33051	R44020	RG.42	Hs.2714	forkhead box G1B	FOXG1B	6208.081
							6203.817
					Breakpoint cluster region		
GF203	471742	AA035095	Hs.10488	Hs.268763	protein, uterine leiomyoma, 1; barrier to autointegration factor BCRP1		6199.046
GF202	490548	AA126799	Hs.110853	Hs.110853	ESTs, Weakly similar to R10D12.12 [C.elegans]		6198.447
GF204	869164	AA680272	Hs.116654	Hs.178949	ESTs, Moderately similar to unknown [H.sapiens]		6196.829
					Homo sapiens mRNA; cDNA DKFZp434C0814 (from clone DKFZp434C0814)		
GF204	395410	AA757406	Hs.57315	Hs.194110	ESTs		6186.776
GF203	788405	AA456435	Hs.99427	Hs.99427	small nuclear ribonucleoprotein polypeptide A'	SNRPA1	6184.833
					EST		
GF201	490772	AA122272	Hs.80506	Hs.80506	zinc-finger protein 265	ZNF265	6181.752
GF204	1055573	AA620893	Hs.116026	Hs.116026			6179.224
GF203	786592	AA452256	Hs.5117	Hs.194718			6177.707
							1.3515041

## APPENDIX A

GF201	277066	N39584	Hs.17404	Hs.17404	ESTs colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) nucleolar autoantigen (55kD) similar to rat synaptonemal complex protein	6152.618
GF200	704020	AA279147	Hs.89425	Hs.265262	CSF2RB	6146.782
GF200	347434	W81191	Hs.83574	Hs.207251	SC65	6145.483
GF203	825719	AA504834	Hs.100675	Hs.165404	ESTs	6144.46
GF203	309469	N94357	Hs.25127	Hs.25127	ESTs	6142.008
GF203	769552	AA426216	Hs.78768	Hs.78768	BB1	6137.851
GF200	842784	AA486305	Hs.78713	Hs.78713	solute carrier family 25 (mitochondrial carrier;	1.762202
GF202	566597	AA149987	Hs.24500	Hs.274407	phosphate carrier), member 3 protease, serine, 16 (thymus)	1.03173017 1.60928186
GF203	739221	AA421100	Hs.9096	Hs.9096	Homo sapiens cDNA	-1.0726048
GF200	131307	R23058	Hs.106082	Hs.268685	FLJ20473 fis, clone KAT07092	6132.497
GF203	383967	AA702740	Hs.114140	Hs.263414	ESTs	6124.645
GF203	825356	AA504492	Hs.50144	Hs.278242	ESTs	6123.597
GF204	28373	R37362	Hs.21351	Hs.21351	tubulin, alpha, ubiquitous ESTs	6115.317 6115.2
GF200	840567	AA487893	Hs.3337	Hs.3337	transmembrane 4 superfamily member 1	6112.034
GF204	844881	AA773744	Hs.121679	Hs.121679	ESTs	6110.819
GF200	43198	H12903	Hs.709	Hs.709	deoxycytidine kinase	6109.979
GF203	665393	AA195042	Hs.85978	Hs.84928	nuclear transcription factor Y, beta	1.22582097
GF201	262334	H99394	Hs.40339	Hs.40339	ESTs	6108.984 6108.59
GF204	1472585	AA872311	Hs.126205	Hs.9754	activating transcription factor 5	6107.258
GF201	261667	H98780	Hs.40290	Hs.40290	ESTs	6105.782
GF201	34326	R44953	Hs.22908	Hs.22908	Homo sapiens mRNA; cDNA DKFZp434J1027 (from clone DKFZp434J1027); partial cds	6103.048
GF202	50080	H17934	Hs.70230	Hs.270845	kinesin-like 5 (mitotic kinesin- like protein 1)	6101.324
					KNSL5	2.26633543

APPENDIX A

GF200	546600	AA084517	Hs.7602	Hs.25615	YDD19 protein	YDD19	6082.132	1.17371061
GF202	784064	AA443823	Hs.48793	Hs.48793	ESTs		6081.64	-1.0235415
GF204	487333	AA045527	Hs.26720	Hs.26720	ESTs		6079.446	
GF203	362424	AA018460	Hs.13329	Hs.13329	ESTs		6076.83	2.16464978
GF204	884343	AA629532	Hs.115278	Hs.115278	ESTs		6076.736	
					thrombopoietin			
					(myeloproliferative leukemia			
					virus oncogene ligand,			
					megakaryocyte growth and			
					development factor)	THPO	6073.457	
GF201	754034	AA479058	Hs.1166	Hs.1166	EST		6072.404	
GF204	745065	AA626279	Hs.116148	Hs.116148	prostate cancer associated			
					protein 7	PCANAP7	6068.058	1.11541493
GF203	767475	AA418020	Hs.27495	Hs.27495	myeloid/lymphoid or mixed-			
					lineage leukemia (trithorax			
GF203	397432	AA701046	Hs.10293	Hs.199160	(Drosophila) homolog)	MLL	6064.089	1.08662597
GF202	509964	AA052966	Hs.118531	Hs.118531	ESTs		6061.877	1.72460228
					Homo sapiens mRNA; cDNA			
GF202	796239	AA460675	Hs.31748	Hs.194110	DKFZp434C0814 (from clone		6060.586	1.13530029
					DKFZp434C0814)			
					Homo sapiens cDNA			
GF202	768170	AA424834	Hs.5268	Hs.5268	FLJ10479 fis, clone		6055.671	1.98431955
					NT2RP2000120			
					caspase 4, apoptosis-related			
GF203	701819	AA287122	Hs.48391	Hs.74122	cysteine protease	CASP4	6049.348	2.44245895
GF202	306180	N90541	Hs.54632	Hs.54632	ESTs		6047.164	1.5745252
GF201	770801	AA427625	Hs.23272	Hs.23272	ESTs		6037.642	
GF202	323041	W42450	Hs.94624	Hs.206833	ESTs		6037.527	1.41298905
					ESTs, Weakly similar to cDNA			
GF203	825467	AA504357	Hs.66915	Hs.66915	EST EMBL:D75506 comes		6036.505	1.62558761
					from this gene [C.elegans]			
					FYN oncogene related to			
GF200	267431	N22980	RG.21	Hs.169370	SRC, FGR, YES	FYN	6036.4	1.02636125
GF201	291448	N67770	Hs.95972	Hs.95972	silver (mouse homolog) like	SILV	6022.053	
GF203	682749	AA210699	Hs.46542	Hs.46542	ESTs		6017.378	1.33374693



APPENDIX A

GF204	878630	AA775279	Hs.4799	Hs.3821	neurobeachin	NBEA	6007.489
GF201	277283	N41052	Hs.45119	Hs.45119	ESTs		6007.149
GF202	255897	N27366	Hs.43933	Hs.43933	EST		-1.0115024
GF203	815013	AA465095	Hs.59876	Hs.24024	KIAA0846 protein	KIAA0846	1.6707517
GF202	327495	W20486	Hs.109777	Hs.116107	chromosome 21 open reading frame 56	C21ORF56	-1.2240656
GF204	41819	R54093	Hs.13248	Hs.13248	ESTs		5989.688
GF204	22867	R38548	Hs.101049	Hs.12284	ESTs		5987.864
GF203	753376	AA411685	Hs.67709	Hs.67709	ESTs		5987.465
GF203	383767	AA704572	Hs.59783	Hs.237691	ESTs		5983.2
GF202	257167	N30562	Hs.44193	Hs.44193	ESTs		5967.896
					ESTs, Weakly similar to !!!!		1.46998775
GF200	230509	H81048	Hs.40213	Hs.205021	ALU CLASS F WARNING		1.31149002
GF204	378399	AA777178	Hs.122643	Hs.122643	ENTRY !!!! [H.sapiens]		1.22512421
					ESTs		
GF200	180298	R85257	Hs.20313	Hs.20313	protein tyrosine kinase 2 beta	PTK2B	1.99055352
					translocase of inner		5955.19
GF201	320146	W04502	Hs.107130	Hs.268561	mitochondrial membrane 8 (yeast) homolog B	TIMM8B	1.06374657
					Homo sapiens mRNA; cDNA		
GF204	1521977	AA906997	Hs.110327	Hs.180780	DKFZp762L137 (from clone		5953.536
GF203	726983	AA398902	Hs.51251	Hs.270863	DKFZp762L137); partial cds		5944.113
					ESTs		5944.039
					ESTs, Moderately similar to		
GF202	42681	R61337	Hs.15301	Hs.15301	NY-REN-25 antigen		1.24538502
					[H.sapiens]		
GF201	204536	H58250	Hs.107368	Hs.185807	Homo sapiens clone 24758 mRNA sequence		5942.154
					lipase A, lysosomal acid,		5935.927
					cholesterol esterase (Volman		
GF201	854701	AA630104	Hs.85226	Hs.85226	disease)	LIPA	5933.77
GF201	430231	AA010221	Hs.47269	Hs.47269	ESTs		5933.431
GF204	815750	AA485084	Hs.110462	Hs.4947	ESTs		5932.718
GF201	1035889	AA629189	Hs.3235	Hs.3235	keratin 4	KRT4	5931.634
GF201	429185	AA005115	Hs.59138	Hs.59138	ESTs		5920.923

APPENDIX A

GF201	770969	AA430629	Hs.98564	Hs.98564	ESTs	5920.525	
GF200	124719	R02166	Hs.13972	Hs.185030	ESTs	5918.865	1.44798953
GF203	290689	N71770	Hs.109520	Hs.109520	ESTs	5916.769	1.65398867
GF203	1461737	AA884403	Hs.25537	Hs.25537	cardiotrophin 1	5915.993	1.29679513
GF201	321434	W32096	Hs.49703	Hs.49703	ESTs	5915.825	
					interferon induced		
					transmembrane protein 2 (1-		
GF203	1455976	AA862371	Hs.117444	Hs.174195	8D)	5908.176	1.4270798
GF202	743261	AA400092	Hs.97781	Hs.97781	ESTs	5907.761	1.95031739
					guanylate cyclase 1, soluble,		
GF200	838359	AA457178	Hs.77890	Hs.77890	beta 3	5906.683	1.8091658
GF203	30095	R40129	Hs.101177	Hs.227985	EST	5903.324	1.29091134
GF201	280692	N50515	Hs.45061	Hs.45061	ESTs	5895.055	
					interleukin enhancer binding		
GF203	242952	H95638	Hs.114312	Hs.75117	factor 2, 45kD	5893.183	1.03830976
GF201	795213	AA453591	Hs.14077	Hs.113052	RNA cyclase homolog	5887.902	
					Homo sapiens mRNA for		
					TRABID protein (TRABID		
					gene)	5884.542	-1.3188491
					cysteine and glycine-rich		
GF200	627939	AA195959	Hs.83577	Hs.83577	protein 3 (cardiac LIM protein)	5882.765	1.13956952
					Homo sapiens cDNA		
					FLJ11309 fis, clone		
GF202	626640	AA191512	Hs.28005	Hs.28005	PLACE1010076	5878.416	1.55625326
					ESTs, Moderately similar to		
GF202	842871	AA486407	Hs.105235	Hs.105235	KIAA0454 protein [H.sapiens]	5871.44	1.9340375
					Homo sapiens mRNA for		
GF203	1240431	AA788805	Hs.34795	Hs.24336	KIAA1321 protein, partial cds	5870.155	1.37636006
					Homo sapiens mRNA; cDNA		
					DKFZp434L1021 (from clone		
GF201	502762	AA125869	Hs.13398	Hs.5392	DKFZp434L1021); partial cds	5866.013	
GF202	321637	W35362	Hs.103012	Hs.103012	ESTs	5865.189	1.12764653

FO2020-86226860

## APPENDIX A

GF201	289229	N73680	Hs.50332	Hs.57435	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	SLC11A2	5863.504
GF201	502413	AA134696	Hs.100292	Hs.100292	Homo sapiens mRNA; cDNA DKFZp586E1120 (from clone DKFZp586E1120)		5851.221
GF201	364844	AA035730	Hs.17733	Hs.17733	ESTs		5850.012
GF203	449043	AA777410	Hs.122537	Hs.278593	interleukin 18 binding protein	IL18BP	5848.517
GF202	1032048	AA610040	Hs.112721	Hs.188762	ESTs, Moderately similar to histone H2B [H.sapiens]		5843.61
GF202	855620	AA684241	Hs.75791	Hs.146763	nascent-polypeptide-associated complex alpha polypeptide	NACA	5840.989
GF201	301817	N91165	Hs.107940	Hs.77114	ESTs		5838.958
GF200	839736	AA504943	Hs.1940	Hs.1940	crystallin, alpha B	CRYAB	5829.459
GF202	772410	AA405533	Hs.109259	Hs.109259	ESTs, Weakly similar to alternatively spliced product using exon 13A [H.sapiens]		5824.568
GF202	1031791	AA609651	Hs.112742	Hs.112742	ESTs		5824.508
GF204	845774	AA773187	Hs.6176	Hs.111515	DKFZP5861023 protein	DKFZP5861023	5824.362
GF201	154493	R54613	Hs.84296	Hs.241510	interferon-induced protein 41, 30kD	IFI41	5821.816
GF200	823930	AA490209	Hs.90370	Hs.90370	actin related protein 2/3 complex, subunit 1A (41 kD)	ARPC1A	5821.281
GF204	745493	AA625990	Hs.116114	Hs.261931	ESTs		5815.753
GF202	304846	N93176	Hs.102914	Hs.102914	ESTs		5804.881
GF201	33643	R44005	Hs.1668	Hs.170808	glutamate decarboxylase 2 (pancreatic islets and brain, 65kD)	GAD2	5803.377
GF201	66373	T66902	Hs.12969	Hs.12969	hypothetical protein	LOC54103	5795.803
GF200	897596	AA496838	Hs.118781	Hs.180946	ribosomal protein L5	RPL5	5783.865
GF201	281733	N48075	Hs.46812	Hs.46812	ESTs		5779.081
GF200	137158	R36264	Hs.106247	Hs.172216	chromogranin A (parathyroid secretory protein 1)	CHGA	5774.224
							1.1506806

FO2020-86226860

## APPENDIX A

GF202	840992	AA486571	Hs.105696	Hs.105696	ESTs, Moderately similar to !!! ALU SUBFAMILY SX WARNING ENTRY !!! [H.sapiens] bone morphogenetic protein receptor, type II (serine/threonine kinase) ESTs ESTs EST ubiquinol-cytochrome c reductase (6.4kD) subunit mannosidase, alpha, class 1B, member 1 ESTs chemokine (C-X3-C) receptor 1 ESTs, Weakly similar to R26660_1, partial CDS [H.sapiens]	5771.28	1.26297476
GF201	264556	N20203	Hs.53250	Hs.53250	BMPR2	5769.501	1.12810629
GF200	294512	W01905	Hs.49973	Hs.49973		5764.785	2.2228286
GF202	342089	W60894	Hs.57812	Hs.57812		5764.168	1.70534859
GF202	289480	N59234	Hs.48344	Hs.48344		5759.409	1.3626884
GF200	36607	R46837	Hs.107450	Hs.8372		5750.543	1.2475118
GF201	784260	AA446899	Hs.4814	Hs.4814	MAN1B1	5750.322	-1.2620469
GF202	757234	AA426065	Hs.28773	Hs.28773		5749.954	
GF200	283023	N51278	Hs.78913	Hs.78913	CX3CR1	5748.036	
GF204	878764	AA670391	Hs.19223	Hs.19223		5745.31	
GF200	813149	AA456695	Hs.2178	Hs.2178	H2B histone family, member Q H2BFQ ESTs ESTs	5734.837	1.0613995
GF202	427978	AA001834	Hs.103277	Hs.103277		5728.686	1.93478972
GF204	826155	AA521427	Hs.105527	Hs.105527		5727.379	
GF201	45284	H08816	Hs.30877	Hs.166733	leucyl/cystinyl aminopeptidase LNPEP	5726.843	
GF200	811088	AA485795	Hs.26988	Hs.26988	ephrin-B3	5717.206	1.23904545
GF202	285370	N66348	Hs.49182	Hs.258828	ESTs nucleophosmin (nucleolar phosphoprotein B23, numatrin) farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltransferase, geranyltransferase)	5713.953	2.02899491
GF201	884301	AA669758	Hs.66709	Hs.173205	NPM1	5713.705	
GF200	80410	T65907	Hs.77393	Hs.77393	FDP5	5712.598	1.35423758

APPENDIX A

GF202	487330	AA045518	Hs.3830	KIAA0893 protein transforming growth factor beta 1 induced transcript 1	KIAA0893	5712.072	1.38993483
GF202	811848	AA454619	Hs.25511		TGFB11	5710.659	1.42241143
GF204	586742	AA130669	Hs.16420	Npw38-binding protein NpwBP	LOC51729	5703.168	
GF204	451256	AA780059	Hs.118379	ESTs		5702.729	
				branched chain			
				aminotransferase 2,			
GF201	756490	AA436410	Hs.101408	mitochondrial	BCAT2	5701.403	
GF201	810064	AA455292	Hs.89125	ESTs		5700.593	
GF201	52647	H29771	Hs.20934	ESTs		5695.152	
GF201	324494	W51795	Hs.82381	heat shock 27kD protein 2	HSPB2	5684.058	
GF204	447417	AA702339	Hs.119542	ESTs		5679.18	
GF200	203551	H56033	Hs.36089	ESTs		5673.218	1.86038378
				glucocorticoid receptor DNA binding factor 1	GRLF1		
GF201	291363	N72276	Hs.29020	ESTs		5667.367	
GF201	487436	AA043360	Hs.16291	ESTs		5667.327	
GF204	489351	AA058341	Hs.34635	ESTs		5665.185	
				Homo sapiens unknown mRNA		5664.412	
GF204	25778	R37265	Hs.106266	contactin 2 (transiently expressed)	CNTN2	5663.218	
GF201	28510	R40446	Hs.2998	EST		5660.381	
GF201	46977	H10372	Hs.101237	DKFZP586C1620 protein	DKFZP586C1620	5660.03	1.49214683
GF202	784218	AA446867	Hs.48297	guanine nucleotide-binding protein G(I)/G(O) gamma-2 subunit			
				ESTs	GNG2	5659.768	
GF201	503741	AA131466	Hs.25173			5657.19	1.64211511
GF202	742904	AA405815	Hs.121276	Homo sapiens mRNA; cDNA			
				DKFZp586H051 (from clone			
GF202	123735	R01179	Hs.112536	DKFZp586H051)		5654.333	1.54126785
GF201	869450	AA680244	Hs.75556	ribosomal protein L11	RPL11	5650.493	
GF201	260138	N32056	Hs.44227	heparanase	HPSE	5640.117	

103020-86226860

# APPENDIX A

GF200	770027	AA427688	Hs.85243	Hs.173902	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform	PPP2R1A	5639.347	1.1334496
GF202	343429	W67243	Hs.57860	Hs.4014	KIAA0946 protein; Huntingtin interacting protein H	KIAA0946	5636.712	2.34879539
GF203	788667	AA449847	Hs.99230	Hs.233495	ESTs, Highly similar to putative glycolipid transfer protein [H.sapiens] Homo sapiens cDNA FLJ10259 fis, clone HEMBB1000947, highly similar to Homo sapiens clone HAW100 putative		5636.066	1.16606666
GF202	796409	AA459956	Hs.49163	Hs.49163	ribonuclease III mRNA		5632.984	1.4449536
GF204	49296	H15560	Hs.131833	Hs.131833	ESTs		5632.374	
GF203	786603	AA478478	Hs.105613	Hs.105613	ESTs		5629.325	-1.1401009
GF202	502063	AA126832	Hs.61803	Hs.61803	ESTs		5623.714	1.45224139
GF200	251135	H96850	Hs.89674	Hs.89674	dolichyl- diphosphooligosaccharide- protein glycosyltransferase	DDOST	5617.843	1.18623189
GF204	1035759	AA629116	Hs.97628	Hs.97628	ESTs		5610.434	
GF203	825366	AA504505	Hs.88414	Hs.88414	ESTs		5608.528	1.40180065
GF203	814115	AA465385	Hs.83714	Hs.83714	ESTs, Highly similar to PEROXISOME ASSEMBLY FACTOR-2 [H.sapiens]		5603.841	1.4453476
GF201	356835	W84612	Hs.11567	Hs.5508	cytochrome b5 reductase 1 (B5R.1)	LOC51706	5589.767	
GF204	857545	AA782306	Hs.124207	Hs.250349	ESTs		5586.875	
GF204	744925	AA625810	Hs.127488	Hs.194581	ESTs, Highly similar to unknown [H.sapiens]		5585.817	

102020"86226860

## APPENDIX A

GF201	809894	AA455146	Hs.14779	Hs.14779	Homo sapiens cDNA FLJ20155 fis, clone COL08754, highly similar to ACSA_ECOLI ACETYL- COENZYME A SYNTHETASE pleckstrin homology, Sec7 and coiled/coil domains 1(cytohesin 1) Homo sapiens mRNA, complete cds, WD-repeat like sequence ESTs EST FK506-binding protein 9 (63 kD) ESTs, Weakly similar to ZINC FINGER PROTEIN 177 [H.sapiens] Wolf-Hirschhorn syndrome candidate 2 Homo sapiens cDNA FLJ20287 fis, clone HEP04390 ESTs ESTs Homo sapiens agrin precursor mRNA, partial cds ESTs JTV1 gene JTV1 gene 3-hydroxy-3-methylglutaryl- Coenzyme A synthase 1 (soluble) ESTs ESTs hypothetical protein	5582.858	5577.052	5573.231 5572.658 5566.03 5565.151	1.13063577	1.76257407
GF200	814546	AA480859	Hs.1050	Hs.1050	PSCD1					
GF201	281162	N50962	Hs.31714	Hs.31714						
GF204	1048685	AA620614	Hs.123465	Hs.123465						
GF202	795627	AA459917	Hs.99506	Hs.99506						
GF201	840697	AA488087	Hs.107481	Hs.8762	FKBP9					
GF203	700677	AA283932	Hs.22744	Hs.22744						
GF204	1035911	AA629195	Hs.116311	Hs.21771	WHSC2					2.23398769
GF203	261518	H98630	Hs.26369	Hs.26369						1.45280168
GF202	345847	W70342	Hs.94812	Hs.94812						1.75003931
GF202	743161	AA401404	Hs.112087	Hs.112087						-1.0651256
GF202	810801	AA458878	Hs.111481	Hs.273330						1.8802054
GF202	257926	N27028	Hs.43880	Hs.43880						1.02650391
GF200	842906	AA486430	Hs.77613	Hs.258730	JTV1					1.17543302
GF202	73252	T56013	Hs.110409	Hs.77910	HMGCS1					1.32374945
GF200	296754	W04206	Hs.49111	Hs.49111						1.06495746
GF202	322586	W15284	Hs.74832	Hs.74832						1.08883675
GF200	139376	R65573	Hs.91973	Hs.91973	FLJ20748					-1.0392398

APPENDIX A

GF200	842860	AA486393	Hs.46437	Hs.173936	interleukin 10 receptor, beta	IL10RB	5528.552	1.63412739
GF202	286548	N67295	Hs.50145	Hs.50145	ESTs		5523.637	1.22634406
GF201	377728	AA056225	Hs.91954	Hs.91954	ESTs		5522.348	
					Homo sapiens chromosome 5, BAC clone 203o13 (LBNL)			
GF201	50114	H16743	Hs.4965	Hs.167399	H155), complete sequence		5519.766	
GF204	51710	H22916	Hs.20050	Hs.144998	ESTs		5517.219	
GF203	753139	AA400718	Hs.97819	Hs.97819	ESTs		5513.339	1.3230717
GF202	365085	AA024604	Hs.124976	Hs.26102	ESTs		5504.193	1.57662354
GF204	1031967	AA609785	Hs.9572	Hs.9572	ESTs		5500.963	
					procollagen (type III) N- endopeptidase	PCOLN3	5500.865	1.06586194
GF200	261971	N27227	Hs.57302	Hs.183138	EST, Highly similar to ADP- RIBOSYLATION FACTOR- LIKE PROTEIN 2 [H.sapiens]			
GF203	449510	AA777931	Hs.121996	Hs.121996	ESTs		5499.17	-1.1173879
GF202	358733	W94257	Hs.59525	Hs.59525	ESTs		5495.146	2.27126631
GF201	263846	H99771	Hs.4086	Hs.268170	ESTs		5494.553	
GF202	26259	R20547	Hs.100830	Hs.100830	ESTs		5494.37	1.30015119
GF200	245899	N72931	Hs.47453	Hs.76152	decorin	DCN	5493.864	-1.3580578
GF202	811790	AA463457	Hs.13370	Hs.13370	DKFZP564G0222 protein	DKFZP564G0222	5492.131	2.14700244
					deiodinase, iodothyronine, type II	DIO2	5483.893	1.07756254
GF200	139766	R62242	Hs.13037	Hs.154424	A kinase (PRKA) anchor			
GF200	40844	R55786	Hs.89666	Hs.89666	protein 6	AKAP6	5483.633	1.32148647
GF201	46647	H10348	Hs.22245	Hs.22245	ESTs		5479.165	
GF203	786530	AA452116	Hs.26070	Hs.26070	ESTs		5474.499	1.26883265
GF200	713647	AA287196	Hs.100090	Hs.100090	tetraspan 3	TSPAN-3	5474.077	1.1624927
					ESTs, Weakly similar to sperm tail protein Mst98Cb			
GF204	1455740	AA863204	Hs.127060	Hs.22047	[D.melanogaster]		5471.042	
GF201	795788	AA460328	Hs.98995	Hs.98995	ESTs		5466.751	
GF201	323867	AA284275	Hs.103073	Hs.103070	ESTs		5461.543	
GF203	788554	AA452822	Hs.99027	Hs.99027	ESTs		5460.988	2.25734398
GF202	305585	N89877	Hs.54549	Hs.111286	zinc finger protein 294	ZNF294	5460.449	1.07438258
GF201	809918	AA464423	Hs.14891	Hs.14891	ESTs		5460.342	
GF202	282716	N49958	Hs.46995	Hs.46995	EST		5453.901	2.08204728



## APPENDIX A

				Homo sapiens cDNA			
				FLJ10024 fis, clone			
				HEMBA1000636			
				ESTs			-1.2092477
				transcription elongation factor			
				A (SII), 2		TCEA2	1.21388019
				ESTs			-1.6268657
				ESTs			1.33892367
				EST			1.57109956
				ESTs			2.11148745
				regulatory solute carrier			
				protein, family 1, member 1		RSC1A1	1.22727056
				NADH dehydrogenase			
				(ubiquinone) Fe-S protein 1			
				(75kD) (NADH-coenzyme Q			
				reductase)		NDUFS1	1.22830214
				amiloride-sensitive cation			
				channel 2, neuronal		ACCN2	5408.195
				KIAA0973 protein		KIAA0973	5401.328
				KIAA0973 protein		KIAA0973	5401.328
				elastase 1, pancreatic		ELA1	5396.863
				DKFZP564F0923 protein		DKFZP564F0923	5391.324
				ESTs			5389.656
				ATPase, Cu++ transporting,			
				beta polypeptide (Wilson		ATP7B	5387.269
				disease)			
				cadherin 2, N-cadherin			
				(neuronal)		CDH2	5384.125
				ESTs			5383.51
				ESTs			5370.61
				Homo sapiens cDNA			
				FLJ20812 fis, clone			
				ADSE01316			-1.0291585
				CDC-like kinase 1		CLK1	1.95367239
				ESTs			1.19230786
				KIAA0263 gene product		KIAA0263	5353.091

## APPENDIX A

GF204	141208	R66526	Hs.99804	Hs.99804	ESTs ESTs, Weakly similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens] transducin-like enhancer of split 1, homolog of Drosophila E(sp1) ESTs, Weakly similar to KERATIN, TYPE I CYTOSKELETAL 9 [H.sapiens] EST amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease) ESTs Homo sapiens mRNA; cDNA DKFZp434P228 (from clone DKFZp434P228) ESTs ESTs deleted in azoospermia-like ESTs	5350.606
GF201	80912	T70032	Hs.12004	Hs.193133		5342.469
GF200	79898	T61445	Hs.28935	Hs.28935	TLE1	5342 1.12992845
GF200	293845	N95112	Hs.39516	Hs.8834		5341.956 1.81064687
GF203	293798	N65971	Hs.114475	Hs.114475		5318.978 1.4500232
GF201	323371	W42849	Hs.103045	Hs.177486	APP	5318.372
GF203	220069	H85437	Hs.118070	Hs.30029		5312.217 1.22659789
GF202	376697	AA046618	Hs.108972	Hs.108972		5306.19 -1.2826042
GF201	366746	AA029697	Hs.94854	Hs.94854		5305.451
GF202	797062	AA463237	Hs.13021	Hs.13021		5294.299 -1.1227672
GF203	1343980	AA774538	Hs.73078	Hs.73078	DAZL	5290.703 1.8485918
GF202	322242	W38026	Hs.124011	Hs.124011		5281.829 1.13073649
GF201	51064	H18855	Hs.99234	Hs.211589	protein phosphatase, EF hand calcium-binding domain 1 farnesyl-diphosphate farnesyltransferase 1 ESTs fructose-bisphosphatase 1 ESTs ESTs	5275.254 PPEF1 5271.682 FDFT1 5269.842 FBP1 5266.888 5256.017 5251.366 1.31727512
GF201	866882	AA679352	Hs.48876	Hs.48876		
GF202	22845	R43678	Hs.12317	Hs.163564		
GF201	433253	AA699427	Hs.574	Hs.574		
GF204	384087	AA702550	Hs.27933	Hs.27933		
GF200	239524	H81275	Hs.20799	Hs.20799		

APPENDIX A

GF202	950355	AA600184	Hs.110080	Hs.110080	ESTs, Weakly similar to PREGNANCY ZONE PROTEIN PRECURSOR [H.sapiens]	5242.738	1.35169405
GF203	823890	AA490478	Hs.69504	Hs.69504	ESTs	5241.016	1.08402603
GF204	1292544	AA719026	Hs.120358	Hs.120358	EST	5240.775	
GF201	320871	W44768	Hs.103030	Hs.75474	nephronophthisis 1 (juvenile)	5239.677	
					prion gene complex, downstream		
GF200	345342	W76645	Hs.58272	Hs.121281	PRND	5237.953	-1.0211756
GF201	504791	AA152347	Hs.19657	Hs.169907	glutathione S-transferase A4	5234.717	
GF201	448098	AA702698	Hs.7289	Hs.127649	KIAA0414 protein	5233.794	
					ESTs, Weakly similar to T08D2.6 [C.elegans]		
GF203	131566	R24222	Hs.102446	Hs.66309	KIAA0775 gene product	5229.53	1.65319962
GF201	50879	H18424	Hs.94790	Hs.94790	tumor necrosis factor (ligand)	5228.256	
					superfamily, member 10		
GF200	139226	R68721	Hs.80174	Hs.83429	TNFSF10	5217.476	1.70607308
GF204	1293112	AA682221	Hs.122709	Hs.122709	ESTs	5210.144	
GF201	264146	N20593	Hs.62419	Hs.56845	GDP dissociation inhibitor 2	5203.741	
					phospholipase C, beta 3		
GF203	1404396	AA846573	Hs.37121	Hs.37121	(phosphatidylinositol-specific) PLCB3	5202.183	1.23345519
GF200	122428	T99236	Hs.89792	Hs.198951	jun B proto-oncogene	5199.377	1.05569585
					Human DNA sequence from clone RP1-39G22 on chromosome 1p32.1-34.3.		
					Contains the 3' part of the RLF gene for rearranged L-myc fusion sequence (ZN-15 related zinc finger protein), a novel gene, the ZMPSTE24 gene for yeast zinc metalloproteinase STE24		
					homolo		
GF204	745523	AA626247	Hs.98952	Hs.98952	EST	5196.697	
GF204	453718	AA776308	Hs.121848	Hs.238760		5188.843	
GF202	625786	AA188378	Hs.54602	Hs.198281	pyruvate kinase, muscle	5185.945	1.19130955
					PKM2		

FOUO" 86226860

## APPENDIX A

GF201	291623	N67822	Hs.5884	Hs.5884	Homo sapiens mRNA; cDNA DKFZp586C0224 (from clone DKFZp586C0224)	5182.701	
GF203	36480	R46794	Hs.23963	Hs.23963	EST	5180.294	-1.1705427
GF201	430465	AA680186	Hs.50002	Hs.50002	small inducible cytokine subfamily A (Cys-Cys), member 19	5177.676	
GF202	1031551	AA609295	Hs.112683	Hs.112683	EST	5167.548	1.18874003
GF202	27817	R40481	Hs.6479	Hs.6479	ESTs, Weakly similar to KIAA0872 protein [H.sapiens]	5164.725	1.41545385
GF200	121625	T97640	Hs.17206	Hs.188497	ESTs	5160.517	1.29844433
GF200	324901	W49672	Hs.52273	Hs.152213	wingless-type MMTV integration site family, member 5A	5144.275	1.2010517
GF202	277487	N56888	Hs.46878	Hs.46878	EST	5140.532	2.00494476
GF200	232586	H73321	Hs.102219	Hs.164478	ESTs, Weakly similar to C56C10.3 [C.elegans]	5132.024	2.42041782
GF202	430171	AA010253	Hs.60374	Hs.60374	ESTs	5130.023	1.48380226
GF201	321739	W33021	Hs.109841	Hs.83795	interferon regulatory factor 2	5127.705	
GF202	742564	AA401342	Hs.97752	Hs.97752	ESTs	5117.507	1.3938033
GF202	840753	AA486072	Hs.69744	Hs.241392	small inducible cytokine A5 (RANTES)	5114.472	-1.5498382
GF201	811038	AA485424	Hs.18778	Hs.18778	hypothetical protein	5114.147	
GF200	760299	AA425947	Hs.4909	Hs.4909	RIG-like 7-1	5108.238	1.20624265
GF204	878111	AA775409	Hs.118078	Hs.118078	ESTs	5104.563	
GF201	857640	AA633747	Hs.109897	Hs.4217	collagen, type VI, alpha 2	5101.938	
GF200	112494	T85902	Hs.16027	Hs.130885	Homo sapiens mRNA; cDNA DKFZp434G0812 (from clone DKFZp434G0812); partial cds	5101.436	1.13330616
GF201	757489	AA426374	Hs.98102	Hs.98102	tubulin, alpha 2	5089.075	
GF200	782513	AA448478	Hs.46569	Hs.265827	interferon, alpha-inducible protein (clone IFI-6-16)	5088.538	1.31712638
GF201	46453	H09749	Hs.22610	Hs.169142	ESTs	5087.98	

APPENDIX A

Homo sapiens cDNA									
GF202	594850	AA171718	Hs.49344	Hs.49344				5083.577	1.34686127
GF200	544639	AA074677	Hs.95612	Hs.95612				5077.158	1.12318317
GF201	770935	AA434382	Hs.9291	Hs.9291				5076.052	
von Hippel-Lindau binding									
GF201	757404	AA426341	Hs.78740	Hs.198307		VP1		5072.863	
GF200	294892	N71442	Hs.17865	Hs.17865				5070.997	1.17874789
GF203	1472643	AA872341	Hs.2953	Hs.2953		RPS15A		5067.099	1.37429234
GF202	782687	AA447592	Hs.99121	Hs.99121				5067.023	1.21508371
GF202	781342	AA448390	Hs.39132	Hs.39132				5064.115	1.65327924
GF201	505199	AA151994	Hs.12708	Hs.12708				5051.242	
eukaryotic translation initiation									
factor 2, subunit 3 (gamma, 52kD)									
GF200	784841	AA448301	Hs.104159	Hs.211539		EIF2S3		5046.914	1.24432537
GF204	178137	H47015	Hs.113895	Hs.250895		RPL34		5045.814	
ribosomal protein L34									
signal sequence receptor, gamma (translocon-associated protein gamma)									
GF204	141153	R67592	Hs.112192	Hs.28707		SSR3		5044.466	
GF200	141959	R67562	Hs.10325	Hs.223014		LOC51582		5038.508	1.27109033
antizyme inhibitor									
myosin regulatory light chain 2, smooth muscle isoform									
GF203	1473274	AA877166	Hs.9615	Hs.9615		MYRL2		5038.174	1.23858768
GF204	447918	AA702432	Hs.114120	Hs.114120				5032.913	
GF202	743277	AA400414	Hs.97795	Hs.177982				5030.592	2.07239383
eukaryotic translation initiation									
factor 4B									
GF203	277384	N34426	Hs.26076	Hs.93379		EIF4B		5027.19	-1.0330201
GF202	290702	N71769	Hs.50078	Hs.50078				5022.644	1.91547551
GF203	136431	R34314	Hs.24740	Hs.24740				5019.229	-1.127033
GF201	270277	N33555	Hs.42168	Hs.176675				5011.735	
Homo sapiens cDNA									
FLJ11090 fis, clone									
GF202	950995	AA620407	Hs.58239	Hs.238039				5009.75	1.97696153
GF204	1623263	A1014920	Hs.118817	Hs.111515		DKFZP58611023		5004.588	
GF202	272552	N35894	Hs.53923	Hs.229116		EST		4994.79	1.56470148
GF201	810320	AA464140	Hs.87440	Hs.87440		ESTs		4991.956	
GF202	503689	AA131571	Hs.110470	Hs.110470		ESTs		4986.34	1.1276155

APPENDIX A

GF200	130756	R22087	Hs.23330	Hs.104372	ESTs	4983.954	1.16160582
GF202	591671	AA147439	Hs.68784	Hs.68784	ESTs	4982.511	-1.0709131
GF201	810878	AA458973	Hs.6444	Hs.239934	CGI-96 protein	4981.827	
					upstream binding protein 1		
GF202	784035	AA443722	Hs.28423	Hs.28423	(LBP-1a)	4981.803	1.73497444
GF202	38493	R49120	Hs.7124	Hs.7124	ESTs	4973.533	1.72793064
GF201	809720	AA455481	Hs.85004	Hs.85004	centromere protein B (80kD)	4970.434	
GF202	780942	AA429806	Hs.98631	Hs.98631	ESTs	4969.813	1.17348684
GF200	774471	AA446251	Hs.82124	Hs.82124	laminin, beta 1	4969.298	1.18480898
GF201	240678	H90296	Hs.108226	Hs.108226	ESTs	4969.186	
					ESTs, Weakly similar to !!!!		
					ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
GF203	208165	H62529	Hs.38076	Hs.187904	[H.sapiens]	4964.83	-1.16778
GF202	324111	W46575	Hs.55953	Hs.55953	ESTs	4964.691	1.12750989
					ESTs, Moderately similar to		
GF202	796712	AA460695	Hs.25543	Hs.271845	CGI-14 protein [H.sapiens]	4962.358	1.85266686
					Human clone 23548 mRNA		
GF201	23548	R38161	Hs.71848	Hs.71848	sequence	4961.795	
					ESTs, Moderately similar to !!!!		
					ALU SUBFAMILY SQ		
					WARNING ENTRY !!!!		
GF202	754021	AA479055	Hs.105630	Hs.191716	[H.sapiens]	4960.942	1.15184654
GF202	950470	AA599102	Hs.70945	Hs.70945	ESTs	4958.609	-1.1144814
GF203	701766	AA292655	Hs.96557	Hs.96557	ESTs	4954.009	1.14602226
					chromosome 22 open reading		
GF204	1626279	A1005114	Hs.20017	Hs.20017	frame 4	4953.416	
GF203	322240	W38024	Hs.114619	Hs.55613	prenyl protein protease RCE1	4952.844	1.24001569
GF203	1240304	AA788648	Hs.123997	Hs.194444	ESTs	4952.516	-1.2155657
					Homo sapiens cDNA		
					FLJ10922 fis, clone		
GF200	198874	H83094	Hs.19039	Hs.19039	OVARC1000420	4951.421	1.01617533
GF204	455138	AA676813	Hs.124878	Hs.188992	ESTs	4949.255	
GF201	321902	W37448	Hs.41241	Hs.41241	ESTs	4946.382	
					protease, serine, 8 (prostasin)		
GF203	1475659	AA872020	Hs.75799	Hs.75799	PRSS8	4944.69	2.27447008

## APPENDIX A

GF202	357209	W93579	Hs.59478	Hs.59478	EST	4941.414	2.12403022
GF202	1031086	AA610071	Hs.112813	Hs.112813	EST	4937.641	-1.1268805
GF202	290416	N62340	Hs.48518	Hs.169815	ESTs	4928.668	1.02492669
GF204	26164	R39765	Hs.101148	Hs.44243	ESTs	4928.05	
GF200	195139	R91271	Hs.34399	Hs.34399	ESTs	4922.208	1.51741306
GF201	739090	AA421783	Hs.56808	Hs.182528	zinc finger protein 263	4920.72	
GF203	825011	AA489200	Hs.100595	Hs.100595	ESTs	4912.917	1.52390726
					ESTs, Weakly similar to !!!!		
					ALU SUBFAMILY SX		
					WARNING ENTRY !!!!		
GF200	293437	N92085	Hs.17946	Hs.17946	[H.sapiens]	4909.765	1.16778343
GF201	857243	AA629641	Hs.76783	Hs.165590	ribosomal protein S13	4900.896	
					ESTs, Moderately similar to		
					tyrosine phosphoprotein SLP-		
GF200	283715	N52958	Hs.47588	Hs.260872	76 [H.sapiens]	4898.808	1.29698629
					Homo sapiens mRNA for		
GF204	187055	R82991	Hs.126559	Hs.9663	KIAA1375 protein, partial cds	4892.368	
					growth factor receptor-bound		
GF200	788654	AA449831	Hs.78711	Hs.6289	protein 2	4891.792	-1.1141508
GF201	52865	H29620	Hs.4952	Hs.239388	ESTs	4891.023	
GF200	139883	R64153	Hs.28501	Hs.28501	ESTs	4889.201	1.17984201
GF201	502496	AA156859	Hs.5400	Hs.5400	KIAA1018 protein	4888.048	
					Homo sapiens cDNA		
					FLJ10656 fis, clone		
GF203	281590	N47993	Hs.12255	Hs.12255	NT2RP2006038	4878.922	1.55066314
GF201	50141	H17789	Hs.31066	Hs.31066	ESTs	4876.256	
GF201	782233	AA431721	Hs.24174	Hs.24174	KIAA0876 protein	4876.147	
					latent transforming growth		
GF202	813825	AA447782	Hs.106709	Hs.238839	factor beta binding protein 3	4875.972	1.78365586
GF202	781106	AA430040	Hs.98647	Hs.98647	EST	4875.883	1.31116781
GF202	795254	AA453993	Hs.112119	Hs.129804	EST	4874.391	1.8672154
GF202	1049185	AA620697	Hs.112208	Hs.112208	ESTs	4872.849	-1.3471818
GF204	969906	AA663895	Hs.116928	Hs.116928	EST	4872.666	
GF201	487082	AA045278	Hs.58636	Hs.58636	ESTs	4871.217	
					splicing factor, arginine/serine-		
					rich 9		
GF200	824041	AA490721	Hs.77608	Hs.77608	SFRS9	4869.792	-1.0062324

APPENDIX A

GF203	53371	R15779	Hs.21703	Hs.21703	ESTs	4860.789	1.356425
GF204	487903	AA045369	Hs.118517	Hs.118517	EST	4858.588	
GF201	202395	H53073	Hs.93698	Hs.93698	ESTs	4856.013	
				ATPase, Cu++ transporting, alpha polypeptide (Menkes syndrome)	ATP7A		
GF200	687820	AA236141	Hs.606	Hs.606	ESTs	4854.418	1.03111538
GF203	815251	AA481281	Hs.98356	Hs.12772	ESTs	4841.229	1.25245308
GF200	773922	AA463591	Hs.77493	Hs.155291	KIAA0005 gene product	4840.874	1.02858515
GF203	43405	H05072	Hs.124984	Hs.124984	ESTs	4838.835	1.02161651
				proteasome (prosome, macropain) 26S subunit, non- ATPase, 2	PSMD2	4837.192	1.13684676
GF200	809992	AA455193	Hs.74619	Hs.74619	DKFZP434P106 protein	4835.479	1.7899317
GF203	796549	AA460274	Hs.24479	Hs.236522	vaccinia related kinase 1	4835.403	
GF201	530545	AA112979	Hs.48269	Hs.48269	ribosomal protein S6 kinase, 70kD, polypeptide 1		
GF200	773319	AA425446	Hs.86858	Hs.86858	Homo sapiens mRNA; cDNA	4830.146	1.22523828
				DKFZp434A2115 (from clone DKFZp434A2115); partial cds	ACTN3	4828.908	1.01760722
GF202	742789	AA400198	Hs.93753	Hs.186547	actinin, alpha 3	4828.225	1.37996638
GF200	628357	AA196000	Hs.1216	Hs.1216	ESTs	4827.789	
GF204	461463	AA705034	Hs.15422	Hs.15422	seven transmembrane domain protein		
GF201	810989	AA485358	Hs.9234	Hs.9234	NIFIE14	4826.449	
GF201	417223	W87747	Hs.58963	Hs.58963	ESTs	4826.166	
GF201	415810	W84776	Hs.14280	Hs.14280	ESTs	4807.147	
GF204	878355	AA670325	Hs.116705	Hs.116705	ESTs	4806.723	
				BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)	BAP1	4805.305	1.32722315
GF200	46154	H09065	Hs.106674	Hs.106674	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)		
GF200	46154	H09065	Hs.75777	Hs.106674	ESTs	4805.305	1.32722315
GF202	255651	N27637	Hs.109019	Hs.109019	ESTs, Weakly similar to coding region determinant binding protein [M.musculus]	4805.189	-2.1176387
GF204	743948	AA634543	Hs.116851	Hs.231535		4802.977	



## APPENDIX A

GF202	328689	W45330	Hs.55800	Hs.55800	ESTs	4790.82	1.28684594
GF201	126763	R07142	Hs.19897	Hs.245931	ESTs	4778.308	
GF200	133178	R28423	Hs.75680	Hs.194148	v-yes-1 Yamaguchi sarcoma		
GF202	839986	AA490162	Hs.105310	Hs.105310	viral oncogene homolog 1	YES1	1.11209044
GF201	309493	N94372	Hs.102929	Hs.102929	EST	4775.086	1.4313764
GF201	133864	R28660	Hs.24305	Hs.24305	SH3 protein	AF3P21	
GF201	269997	N24910	Hs.64837	Hs.64837	ESTs	4763.762	
GF201	742763	AA400186	Hs.96485	Hs.96485	cystinosis, nephropathic	CTNS	4763.475
GF201	416071	W85876	Hs.58753	Hs.58753	KIAA0290 protein	KIAA0290	4757.713
GF202	290201	N62263	Hs.48501	Hs.48501	ESTs	4752.494	
GF203	42636	R61780	Hs.22688	Hs.22688	EST	4750.46	1.62139018
GF204	745101	AA626364	Hs.116161	Hs.116161	EST	4747.183	1.27468992
					eukaryotic translation initiation		
GF203	221632	H92556	Hs.114291	Hs.170001	factor 2B, subunit 2 (beta, 39kD)	EIF2B2	4742.725
GF201	855061	AA630120	Hs.78781	Hs.78781	vascular endothelial growth		
GF202	280131	N47003	Hs.46651	Hs.46651	factor B	VEGFB	4735.895
GF201	282717	N49962	Hs.46996	Hs.46996	EST	4734.226	1.4033744
GF203	449328	AA777910	Hs.121984	Hs.8136	ESTs	4732.978	
GF201	51585	H24020	Hs.12787	Hs.12787	endothelial PAS domain	EPAS1	-1.0981839
GF201	86035	T62842	Hs.11085	Hs.11085	protein 1		
GF201	344091	W73406	Hs.94844	Hs.267491	ESTs, Highly similar to CGI-111 protein [H.sapiens]		
GF200	811792	AA463458	Hs.82327	Hs.82327	ESTs	4722.372	
					glutathione synthetase	4721.352	
					Homo sapiens mRNA; cDNA	4717.912	1.19605624
GF202	1031362	AA609122	Hs.112645	Hs.112645	DKFZp434D2472 (from clone		
GF204	1461604	AA883788	Hs.68665	Hs.68665	DKFZp434D2472); partial cds	4716.973	1.04813633
					ESTs	4711.149	
GF203	788620	AA449813	Hs.27407	Hs.17481	Homo sapiens clone 24606		
GF202	772447	AA405559	Hs.94881	Hs.94881	mRNA sequence	4710.877	1.46829708
GF202	795540	AA459652	Hs.99487	Hs.99487	ESTs	4710.875	1.66943111
GF201	323623	W44411	Hs.7143	Hs.173074	ESTs	4709.64	2.12374919
					DKFZP564O1863 protein	4707.7	
					DKFZP564O1863		

APPENDIX A

GF201	755526	AA419092	Hs.100160	Hs.122575	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 4 ESTs, Weakly similar to proline-rich protein M14 precursor [M.musculus] forkhead box G1B	EDG4	4701.612	
GF203	325088	W46985	Hs.3743	Hs.3743	sperm associated antigen 6	FOXG1B	4699.79	1.15924237
GF200	33051	R19033	Hs.2714	Hs.2714	ESTs	SPAG6	4693.146	1.1966563
GF203	288705	N62418	Hs.30938	Hs.158213	ESTs		4685.873	1.05639596
GF201	257919	N29682	Hs.44071	Hs.44071	ESTs		4678.412	
GF204	1500894	AA887547	Hs.117048	Hs.117048	ESTs	KIAA0980 protein	4677.106	
GF203	647842	AA205072	Hs.34151	Hs.227743	dual specificity phosphatase 12	KIAA0980	4666.105	1.10774435
GF202	843328	AA485951	Hs.44229	Hs.44229	jun B proto-oncogene	DUSP12	4662.766	1.48083551
GF200	309864	N94468	RG.37	Hs.198951	ESTs	JUNB	4661.012	-1.0570444
GF200	239712	H80519	Hs.53495	Hs.269062	ESTs		4659.657	1.92116778
GF202	563860	AA101173	Hs.67496	Hs.177469	ESTs		4659.029	1.24520513
GF202	510576	AA055768	Hs.122576	Hs.25615	YDD19 protein	YDD19	4657.525	1.68948992
GF202	322441	W16423	Hs.55313	Hs.227098	glial cells missing (Drosophila) homolog b	GCMB	4657.137	1.08228267
GF204	1466771	AA883729	Hs.125310	Hs.83937	hypothetical protein	FLJ20323	4646.248	
GF203	325014	W48726	Hs.117921	Hs.171680	pre-B-cell leukemia transcription factor 3	PBX3	4645.778	1.04627252
GF202	773656	AA433891	Hs.71218	Hs.11449	DKFZP564O123 protein	DKFZP564O123	4643.376	2.11798111
GF200	739183	AA421296	Hs.25856	Hs.246381	CD68 antigen	CD68	4639.31	1.14646431
GF201	71087	T47418	Hs.51305	Hs.51305	v-maf musculoaponeurotic fibrosarcoma (avian)oncogene family, protein F	MAFF	4638.121	
GF202	788533	AA452813	Hs.8207	Hs.8207	ESTs		4637.5	-1.2030408
GF201	490778	AA133191	Hs.3709	Hs.3709	low molecular mass ubiquinone-binding protein (9.5kD)	QP-C	4637.011	
GF202	305556	N90218	Hs.54607	Hs.54607	ESTs		4634.362	-1.0942768
GF203	825582	AA504609	Hs.22370	Hs.22370	Homo sapiens mRNA; cDNA DKFZp564O0122 (from clone DKFZp564O0122)		4632.366	1.81353786

## APPENDIX A

GF200	843174	AA488504	Hs.1869	Hs.1869	phosphoglucosyltransferase 1	PGM1	4630.5	1.28404857
GF202	743025	AA406069	Hs.33636	Hs.177482	ESTs		4626.188	1.12107384
GF201	267691	N23185	Hs.78753	Hs.26434	Homo sapiens cDNA			
GF201	503096	AA151480	Hs.91202	Hs.91202	FLJ20360 fis, clone			
GF202	61638	T41032	Hs.8369	Hs.129368	HEP16677		4623.412	
					ESTs		4622.575	
					ESTs		4622.229	1.41585514
GF200	767345	AA418564	Hs.47075	Hs.44898	ESTs, Moderately similar to			
GF204	1055540	AA620811	Hs.97601	Hs.238964	cadherin 12 [H.sapiens]		4620.388	1.07336458
GF200	246652	N57713	Hs.53102	Hs.260899	ESTs		4619.609	
GF201	293925	N63943	Hs.76360	Hs.234734	ESTs		4619.529	1.49837983
					lysosome (renal amyloidosis)	LYZ	4619.366	
					Homo sapiens mRNA; cDNA			
GF201	34597	R44327	Hs.22970	Hs.81376	DKFZp586L1121 (from clone)		4618.832	
					DKFZp586L1121			
GF201	741885	AA403035	Hs.75503	Hs.274184	transcription factor binding to			
					IGHM enhancer 3	TFE3	4617.514	
					dual-specificity tyrosine-(Y)-			
					phosphorylation regulated			
GF201	897006	AA676749	Hs.75842	Hs.75842	kinase 1A	DYRK1A	4614.859	
GF202	320770	W31685	Hs.55476	Hs.55476	EST		4612.518	-1.0956029
GF202	429864	AA033948	Hs.4236	Hs.4236	KIAA0478 gene product	KIAA0478	4610.445	1.26828573
GF200	132159	R26094	Hs.23531	Hs.23531	ESTs		4608.934	1.09281147
					protease inhibitor 9 (ovalbumin			
GF201	769948	AA430512	Hs.104879	Hs.104879	type)	PI9	4598.752	
GF203	746264	AA419390	Hs.99718	Hs.99718	ESTs		4597.298	1.25958443
GF203	713058	AA282292	Hs.89007	Hs.82771	vaccinia related kinase 2	VRK2	4595.771	1.25414327
GF201	270560	N33237	Hs.80500	Hs.170114	KIAA0061 protein	KIAA0061	4587.121	
GF203	868308	AA634008	Hs.3463	Hs.3463	ribosomal protein S23	RPS23	4584.612	2.1226682
					ESTs, Highly similar to			
					hepatocyte nuclear factor 4			
GF201	51406	H18950	Hs.102867	Hs.102867	gamma [H.sapiens]		4584.202	
					polymerase (RNA)			
GF200	134269	R31115	Hs.30419	Hs.153880	mitochondrial (DNA directed)	POLRMT	4582.085	1.03261372
GF204	1291950	AA707450	Hs.120011	Hs.120011	EST		4580.336	
GF201	325583	AA284243	Hs.100289	Hs.35096	ESTs		4579.583	

APPENDIX A

GF201	272600	N35922	Hs.43502	Hs.269852	ESTs ELL-RELATED RNA	4579.195	
GF201	324672	AA284232	Hs.55983	Hs.173334	POLYMERASE II, ELONGATION FACTOR ELL2	4575.687	
GF203	701460	AA286905	Hs.23794	Hs.23794	Homo sapiens mRNA; cDNA DKFZp434N2420 (from clone	4574.919	1.25931157
GF201	273168	N36794	Hs.93816	Hs.93816	DKFZp434N2420); partial cds	4571.849	
GF201	501407	AA115244	Hs.107333	Hs.7874	ESTs	4559.19	
GF201	322857	W44938	Hs.47883	Hs.47883	ESTs	4552.431	
GF202	509516	AA047340	Hs.8694	Hs.8694	Homo sapiens mRNA; cDNA DKFZp566D244 (from clone	4551.431	1.39691299
GF201	46166	H09076	Hs.30894	Hs.152096	DKFZp566D244); partial cds	4551.178	
GF202	284357	N52137	Hs.47442	Hs.47442	cytochrome P450, subfamily IIJ (arachidonic acid	4543.51	-1.1674891
GF203	155542	R71738	Hs.29210	Hs.206594	epoxygenase) polypeptide 2	4538.342	
GF201	52710	H29052	Hs.21782	Hs.21782	EST CYP2J2	4537.475	
					ESTs, Moderately similar to !!! ALU SUBFAMILY SQ		
					WARNING ENTRY !!!! [H.sapiens]		
					ESTs		
					alpha thalassemia/mental retardation syndrome X-linked		
GF200	753430	AA410435	Hs.96264	Hs.96264	ATRX	4537.474	1.23852099
GF203	172957	H20204	Hs.31740	Hs.31740	ESTs	4529.731	-1.1082712
GF202	742794	AA400475	Hs.97808	Hs.97808	ESTs	4521.979	1.97149472
GF204	180082	R85914	Hs.50615	Hs.186577	ESTs	4516.958	
					Homo sapiens cDNA FLJ11130 fis, clone		
GF204	1598787	AA983410	Hs.41151	Hs.237480	PLACE1006246	4516.042	
GF201	50635	H17921	Hs.7270	Hs.237198	ESTs	4515.58	
					Homo sapiens mRNA; cDNA DKFZp58610324 (from clone		
GF201	365004	AA024832	Hs.47283	Hs.193700	DKFZp58610324)	4509.33	
GF201	201559	R97055	Hs.93022	Hs.260603	ESTs	4507.37	

APPENDIX A

GF201	342500	W68262	Hs.106204	Hs.106204	Homo sapiens mRNA for KIAA1327 protein, partial cds		4505.575
GF201	307119	N93715	Hs.539	Hs.539	ribosomal protein S29	RPS29	4499.929
GF202	795243	AA453999	Hs.99354	Hs.99354	ESTs, Weakly similar to hyperpolarization-activated, cyclic nucleotide-gated channel 2 [H.sapiens]		1.97320856
GF204	745165	AA626725	Hs.119164	Hs.119164	ESTs		4499.38
GF202	742739	AA400155	Hs.62490	Hs.12598	T-cell lymphoma invasion and metastasis 2	TIAM2	1.11605551
GF204	745318	AA625583	Hs.125223	Hs.190719	ESTs		4497.052
GF204	113033	T87150	Hs.15367	Hs.189723	ESTs		4496.066
GF202	591101	AA161073	Hs.36672	Hs.36672	ESTs		-1.1061829
GF203	755409	AA424706	Hs.124214	Hs.111680	endosulfine alpha	ENSA	1.25562326
					ESTs, Weakly similar to SM22-ALPHA HOMOLOG		
GF200	325160	W48780	Hs.100242	Hs.169330	[H.sapiens]		4492.021
GF203	506658	AA708798	Hs.8939	Hs.8939	yes-associated protein 65 kDa	YAP65	-1.0377259
GF201	796876	AA463188	Hs.9625	Hs.9625	putative serine-threonine protein kinase	SID6-1512	4484.425
					ESTs, Weakly similar to CALPAIN 2, LARGE		
GF201	365665	AA026030	Hs.61311	Hs.61311	[H.sapiens]		4479.068
					Homo sapiens mRNA; cDNA DKFZp434N1710 (from clone DKFZp434N1710); partial cds		-1.0884968
GF203	277266	N34395	Hs.9095	Hs.9095	ribophorin I	RPN1	4476.321
GF201	502690	AA127100	Hs.2280	Hs.2280	eukaryotic translation initiation factor 5	EIF5	4475.722
GF201	884867	AA669443	Hs.40502	Hs.184242	FYN oncogene related to SRC, FGR, YES	FYN	4473.319
GF201	271683	N35086	Hs.81956	Hs.169370	ESTs		4472.704
GF200	197637	R87194	Hs.34114	Hs.271686	ESTs		4449.601
GF202	729972	AA416911	Hs.104784	Hs.178062	ESTs		4449.32
					cAMP response element-binding protein CRE-BPa		
GF200	130280	R21172	Hs.149	Hs.149	H_GS165L15.1		4449.077
							1.01695757

102020\*86226860

## APPENDIX A

Homo sapiens mRNA; cDNA									
GF203	43828	H05769	Hs.29310	Hs.205678	DKFZp564M113 (from clone			4445.141	1.33271562
GF201	278729	N62936	Hs.29088	Hs.29088	DKFZp564M113)			4444.706	
GF204	1469233	AA865737	Hs.127679	Hs.127679	ESTs			4443.57	
GF204	1033989	AA628865	Hs.113574	Hs.113574	ESTs			4442.345	
ESTs, Highly similar to									
GF201	51185	H17143	Hs.56909	Hs.125019	KIAA0886 protein [H.sapiens]			4439.938	
GF201	810999	AA485362	Hs.76686	Hs.76686	glutathione peroxidase 1	GPX1		4438.071	
catenin (cadherin-associated protein), delta 2 (neural plakophilin-related arm-repeat protein)									
GF201	51083	H17139	Hs.75077	Hs.80220	CTNND2			4435.59	
GF202	324983	W49487	Hs.56040	Hs.81170	PIM1			4434.882	1.12773826
GF202	40021	R54061	Hs.26088	Hs.26088	pim-1 oncogene			4434.239	1.94623519
GF204	447540	AA702407	Hs.114117	Hs.209757	ESTs			4433.26	
EST									
Homo sapiens mRNA for KIAA1232 protein, partial cds									
GF201	261851	H99215	Hs.77079	Hs.11101	ESTs, Moderately similar to			4429.611	
GF204	878447	AA670373	Hs.121738	Hs.192822	PNG gene [H.sapiens]			4421.595	
Sjogren syndrome antigen A1 (52kD, ribonucleoprotein autoantigen SS-A/Ro)									
GF201	282956	N45131	Hs.1042	Hs.1042	SSA1			4419.512	
GF202	259637	N32789	Hs.44385	Hs.44385	TFIIA-alpha/beta-like factor	ALF		4416.056	1.56154297
Human DNA sequence from PAC 154K9 on chromosome Xp11.3-Xp11.4. Contains protein similar to protein phosphatase inhibitor 2 (PPP-2) ESTs and STS									
GF204	1470424	AA864288	Hs.127689	Hs.127689	KIAA0564			4414.98	
GF202	594871	AA171735	Hs.86013	Hs.151385	KIAA0564 protein			4413.383	1.41714006
IQ motif containing GTPase activating protein 2									
GF200	321386	W32272	Hs.78993	Hs.78993	IQGAP2			4411.349	1.07496869
GF202	246297	N59432	Hs.48382	Hs.48382	ESTs			4403.972	1.53164587
GF202	950461	AA599107	Hs.21255	Hs.21255	ESTs			4403.265	-1.4836127

Westbrook et al.

## APPENDIX A

GF202	627251	AA191488	Hs.73614	1.16315113
GF200	172765	H19522	Hs.150956	1.06099643
GF202	427838	AA001648	Hs.113065	1.08352689
GF200	292770	N63646	Hs.94147	-1.0838513
GF202	291385	N72288	Hs.50212	2.08043101
GF202	839978	AA490158	Hs.105309	1.43804553
GF200	843067	AA488618	Hs.77370	-1.0006361
GF202	795836	AA461499	Hs.99546	-1.8327766
solute carrier family 31 (copper transporters), member 1				
			SLC31A1	
			exostoses (multiple)-like 1	
			EXTL1	
			ESTs	4397.055
			ESTs	4395.513
			ESTs	4394.499
			EST	4392.473
			transcription factor CP2	4390.888
			TFCP2	4385.519
			ESTs	4385.081
			ESTs	4383.755
MAGUK protein p55T; Protein Associated with Lins 2				
			LOC51678	
GF202	743532	AA609421	Hs.108931	4382.876
GF202	293056	N63777	Hs.191361	4378.856
chromosome 8 open reading frame 1				
GF203	160672	H25042	Hs.40539	4376.099
GF202	753248	AA406231	Hs.100113	4370.887
GF202	1048722	AA620631	Hs.112873	4369.79
KIAA0381 protein				
			C8ORF1	
			KIAA0381	
			ESTs	1.78012279
			ESTs	-1.7735572
			ESTs	1.15760197
Homo sapiens cDNA FLJ10281 fis, clone				
			HEMBB1001289	
GF203	773465	AA427885	Hs.142613	4366.824
GF202	838003	AA434482	Hs.98812	4365.736
GF202	279613	N48913	Hs.93963	4364.719
GF202	743445	AA609365	Hs.104794	4361.891
GF202	742573	AA400076	Hs.97772	4359.001
mannosyl (alpha-1,6)- glycoprotein beta-1,2-N- acetylglucosaminyltransferase				
			MGAT2	
GF200	840404	AA485653	Hs.172195	4358.947
mannosyl (alpha-1,6)- glycoprotein beta-1,2-N- acetylglucosaminyltransferase				
			MGAT2	
GF200	840404	AA485653	Hs.36573	4358.947
GF201	298966	N71157	Hs.102801	4356.651
GF203	35612	R45627	Hs.123679	4348.188
GF204	1461120	AA867999	Hs.120717	4346.666
leukemia associated gene 2				
			LEU2	

APPENDIX A

GF201	70384	T54474	Hs.100425	Hs.100425	ESTs	4346.349	
GF201	855755	AA663986	Hs.99853	Hs.99853	fibrillarin	4344.363	
GF200	46182	H09614	Hs.84112	Hs.251871	CTP synthase	4343.877	1.17541702
GF200	230637	H75490	Hs.35138	Hs.271930	ESTs	4343.646	2.38756321
					Homo sapiens cDNA		
					FLJ10477 fis, clone		
GF203	712525	AA278401	Hs.88707	Hs.7432	NT2RP2000097	4343.32	1.80053805
GF200	136775	R35253	Hs.24944	Hs.24944	ESTs	4343.102	-1.0241415
					sodium channel, nonvoltage-		
GF200	810873	AA459197	Hs.2794	Hs.2794	gated 1 alpha	4340.878	1.20053759
					putative protein kinase NY-		
GF200	144029	R77079	Hs.96831	Hs.142295	REN-64 antigen	4339.215	-1.0118755
GF203	180179	R85537	Hs.18414	Hs.158249	KIAA0406 gene product	4329.06	1.23506016
					cellular retinoic acid-binding		
GF201	739193	AA421218	Hs.7678	Hs.7678	protein 1	4328.203	
GF201	178792	H49443	Hs.117778	Hs.5307	synaptopodin	4324.531	
					Human DNA from overlapping		
					chromosome 19 cosmids		
					R31396, F25451, and R31076		
					containing COX6B and UPKA,		
					genomic sequence		
GF203	26806	R37738	Hs.106281	Hs.5086	solute carrier family 21	4324.216	1.36364485
					(organic anion transporter),		
					member 3		
GF201	289706	N62948	Hs.46440	Hs.46440	SLC21A3	4321.091	
					Homo sapiens mRNA; cDNA		
					DKFZp586N2424 (from clone		
GF201	259267	N29454	Hs.27552	Hs.27552	DKFZp586N2424)	4320.797	
GF202	46376	H09087	Hs.6183	Hs.171963	aquaporin 4	4319.545	1.67582779
					cell recognition molecule		
GF202	27404	R40031	Hs.106552	Hs.106552	Caspr2	4317.642	1.34351707
GF204	824487	AA490341	Hs.109870	Hs.181551	ESTs	4316.881	
GF201	469229	AA027230	Hs.70500	Hs.70500	KIAA0370 protein	4315.798	
					Human clone 23589 mRNA		
GF200	669471	AA234889	Hs.11506	Hs.11506	sequence	4312.559	1.19187222
GF203	796531	AA460260	Hs.44238	Hs.44238	ESTs	4311.487	1.07292196



102020" 86226860

## APPENDIX A

GF200	358531	W96155	RG.47	Hs.78465	v-jun avian sarcoma virus 17 oncogene homolog	JUN	4311.33	1.05251042
GF204	1631472	A1024780	Hs.30251	Hs.20760	DKFZP564M182 protein	DKFZP564M182	4302.834	
					ESTs, Weakly similar to !!!!			
GF204	432509	AA700664	Hs.117809	Hs.271660	ALU CLASS B WARNING		4299.206	
GF202	325526	W52355	Hs.122754	Hs.184389	ENTRY !!!! [H.sapiens]		4295.367	-1.3268688
GF204	1049079	AA778717	Hs.122058	Hs.122058	ESTs		4293.333	
GF204	1637296	A1005519	Hs.23623	Hs.180450	ribosomal protein S24	RPS24	4289.935	
					syntrophin, beta 2 (dystrophin-associated protein A1, 59kD, basic component 2)	SNT2B2	4287.574	1.17652737
GF200	839516	AA489861	Hs.53593	Hs.172278	ESTs		4285.006	
GF204	195925	R91375	Hs.117733	Hs.271640	ESTs		4283.808	
GF204	461071	AA701163	Hs.114042	Hs.125757	ESTs		4282.268	1.77414354
GF202	308579	N95835	Hs.55179	Hs.55179	suppression of tumorigenicity 14 (colon carcinoma, matriptase, epithin)	ST14	4280.591	1.13670042
GF200	825085	AA489246	Hs.56937	Hs.56937	Homo sapiens mRNA; cDNA			
					DKFZp566C034 (from clone DKFZp566C034)		4279.827	2.09370696
GF202	308726	N93236	Hs.54922	Hs.29464	ESTs		4279.723	
GF204	448728	AA778212	Hs.116042	Hs.191869	ESTs		4276.79	
GF201	278875	N63034	Hs.48671	Hs.269109	ESTs			
					ESTs, Weakly similar to similar to ERG-3 like protein [C.elegans]		4270.738	-1.2051827
GF202	753195	AA406354	Hs.17783	Hs.17783	ESTs		4269.57	-2.1054783
GF203	461436	AA705219	Hs.121064	Hs.121064	ESTs		4265.02	1.01690838
GF200	129331	R12267	Hs.14165	Hs.14165	ESTs			
					secretory granule, neuroendocrine protein 1 (7B2 protein)	SGNE1	4263.325	
GF201	878836	AA670429	Hs.2265	Hs.2265				

APPENDIX A

GF203	1473300	AA916323	Hs.75860	Hs.75860	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl- Coenzyme A thiolase/enoyl- Coenzyme A hydratase (trifunctional protein), alpha subunit	HADHA	4263.119	1.12467712
GF203	685609	AA255876	Hs.86919	Hs.22879	ESTs, Weakly similar to zinc finger protein ZFY [H.sapiens]		4260.883	1.07571882
GF200	135094	R31426	Hs.24437	Hs.152699	EST		4260.682	2.14964481
GF203	755893	AA496542	Hs.116532	Hs.116532	ESTs		4258.825	1.3759419
GF202	308926	N93615	Hs.54976	Hs.54976	ESTs		4255.67	2.26608548
GF204	587005	AA131016	Hs.131909	Hs.166551	ESTs		4251.123	
GF202	504742	AA151413	Hs.71957	Hs.71957	EST		4247.436	2.61143719
GF204	1460306	AA885344	Hs.96910	Hs.96910	ESTs		4246.047	
GF202	270766	N29796	Hs.44089	Hs.44089	ESTs		4242.443	1.00837935
GF204	148297	H13257	Hs.13055	Hs.111515	DKFZP58611023 protein	DKFZP58611023	4236.891	
GF201	46328	H10641	Hs.22928	Hs.22928	ESTs		4231.361	
GF200	246541	N77514	Hs.105684	Hs.105684	cyclin-dependent kinase-like 1			
GF204	1048681	AA620612	Hs.129821	Hs.192724	(CDC2-related kinase)	CDKL1	4229.803	1.15150558
GF204	703976	AA279083	Hs.111406	Hs.193957	ESTs		4226.422	
GF203	1240411	AA788788	Hs.122366	Hs.122366	ESTs		4225.602	
					dynein, axonemal, heavy		4225.105	1.66015587
GF203	813637	AA447742	Hs.73184	Hs.169148	polypeptide 17-like	DNAH17L	4220.458	2.18455521
GF203	451936	AA707185	Hs.119997	Hs.119997	ESTs		4218.53	-1.1179354
GF201	795744	AA460298	Hs.99524	Hs.170008	methyImalonate-semialdehyde dehydrogenase	MMSDH	4218.311	
GF201	811150	AA485734	Hs.5923	Hs.183800	Ran GTPase activating protein 1	RANGAP1	4217.156	
GF201	321859	W37372	Hs.37282	Hs.37282	ESTs		4216.342	
GF201	321523	W32751	Hs.7145	Hs.7145	calpain like protease	CAPN7	4216.175	
GF202	69301	T58615	Hs.110640	Hs.110640	ESTs		4216.087	1.23615642

## APPENDIX A

Homo sapiens cDNA									
GF201	279496	N46447	Hs.82476	Hs.104036	FLJ20195 fis, clone	COLF0930	4215.726		
GF204	24097	R39697	Hs.47105	Hs.4916	ESTs	ESTs	4213.588		
GF204	41411	R56885	Hs.106678	Hs.184582	ribosomal protein L24	RPL24	4207.477		
GF200	809648	AA454673	Hs.64749	Hs.180677	zinc finger protein 162	ZNF162	4205.82	1.24948196	
GF201	501602	AA135722	Hs.61481	Hs.61481	ESTs	ESTs	4201.703		
GF201	320602	W31389	Hs.103005	Hs.103005	ESTs	ESTs	4199.767		
GF201	343607	W69584	Hs.32148	Hs.32148	ESTs	ESTs	4198.452		
bone morphogenetic protein 5 BMP5									
GF203	1032405	AA779457	Hs.1104	Hs.1104	ESTs	ESTs	4192.037	1.14086962	
GF201	46105	H09322	Hs.22226	Hs.22226	cargo selection protein		4183.147		
(mannose 6 phosphate receptor binding protein)									
GF203	284247	N52178	Hs.29230	Hs.140452	receptor binding protein	TIP47	4181.933	1.26304991	
GF201	40908	R55809	Hs.26471	Hs.26471	Wnt inhibitory factor-1	WIF-1	4179.13		
Homo sapiens mRNA; cDNA									
DKFZp434E0211 (from clone DKFZp434E0211)									
GF204	1417886	AA894457	Hs.34516	Hs.34516	EST		4178.089		
GF202	282780	N50108	Hs.47021	Hs.47021	EST		4174.833	1.47672343	
GF202	122872	R00130	Hs.116894	Hs.268656	ESTs		4174.723	-2.0528308	
GF204	284115	N53436	Hs.47650	Hs.47650	ESTs		4172.534		
glucosamine-6-phosphate deaminase									
GF200	207082	H48661	Hs.3090	Hs.278500	GNPI		4163.185	1.1185936	
GF202	839372	AA490077	Hs.104194	Hs.269391	ESTs		4155.099	1.7396317	
polymerase (RNA) II (DNA directed) polypeptide A									
(220kD)									
GF201	430236	AA010216	Hs.59337	Hs.171880	POLR2A		4154.075		
GF201	269567	N24157	Hs.43523	Hs.139615	ESTs		4153.513		
GF203	768606	AA425128	Hs.31926	Hs.174312	ESTs		4151.819	1.11150379	
GF201	770989	AA427404	Hs.30868	Hs.30868	ESTs		4148.529		
GF200	204098	H55897	Hs.37222	Hs.268947	ESTs		4146.813	1.79849136	
GF201	126575	R06874	Hs.15664	Hs.268628	ESTs		4142.114		

FILED " 86446860

# APPENDIX A

GF201	62263	T41173	Hs.90484	Hs.8230	a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif, 1	ADAMTS1	4141.77
GF204	1540433	AA927193	Hs.2534	Hs.2534	bone morphogenetic protein receptor, type IA	BMPR1A	4141.739
GF201	782545	AA431795	Hs.56561	Hs.176626	ESTs		4140.876
GF201	364468	AA022679	Hs.55257	Hs.271536	ESTs		4137.172
GF202	366407	AA026333	Hs.61341	Hs.61341	ESTs		4136.356
					ESTs, Weakly similar to hook1 protein [H.sapiens]		2.03361968
GF202	286545	N67300	Hs.50147	Hs.130707	ESTs		4136.296
GF201	364568	AA022935	Hs.33461	Hs.33461	ESTs		4136.292
					beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	B3GAT1	
GF203	290030	N64656	Hs.78000	Hs.3353	ESTs		4134.9
GF201	80729	T62969	Hs.51509	Hs.193348	A kinase (PRKA) anchor protein (gravin) 12	AKAP12	4134.873
GF200	784772	AA478542	Hs.788	Hs.788			4131.867
					mannosyl(beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	MGAT3	1.24746966
GF202	731060	AA421473	Hs.31644	Hs.112	Homo sapiens mRNA; cDNA DKFZp434D0428 (from clone DKFZp434D0428); partial cds		4130.402
GF203	823727	AA489662	Hs.5726	Hs.236547	ESTs		4128.207
GF203	392440	AA707999	Hs.44404	Hs.44404	Down syndrome candidate region 1	DSCR1	4127.314
GF201	884462	AA629707	Hs.82803	Hs.184222	EST		4123.862
GF203	712257	AA280426	Hs.88754	Hs.88754	paxillin	PXN	4116.187
GF200	770080	AA430573	Hs.102497	Hs.102497	ESTs		4116.012
GF204	462594	AA705102	Hs.121061	Hs.222819	ESTs		4115.305
GF202	796916	AA463206	Hs.26942	Hs.26942	ESTs		4110.6
GF204	232651	H72612	Hs.108213	Hs.108213	EST		4110.545
GF203	648046	AA206914	Hs.86322	Hs.86322	purine 5' nucleotidase	PNT5	4108.649
GF203	725076	AA404619	Hs.2382	Hs.138593			4108.043
							1.22440466
							1.50454481

APPENDIX A

GF201	796809	AA461181	Hs.7278	cryptochrome 2 (photolyase-like)	CRY2	4108.037	
GF201	795603	AA460012	Hs.81086	solute carrier family 22 (extraneuronal monoamine transporter), member 3	SLC22A3	4106.1	-1.1383725
GF202	781420	AA428628	Hs.98603	ESTs		4105.657	1.70173836
GF202	731040	AA421271	Hs.98340	EST		4100.262	
GF203	324651	W47099	Hs.19513	ESTs, Highly similar to CGI-63 protein [H.sapiens]		4098.963	-1.0806153
GF200	810408	AA457092	Hs.1335	hypothetical 43.2 Kd protein	LOC51614	4096.359	1.01597075
GF201	325090	W46986	Hs.12780	ESTs		4093.349	
GF202	257436	N30728	Hs.44216	ESTs		4092.601	1.17033594
GF203	1160723	AA877845	Hs.75338	LIM domain kinase 2	LIMK2	4091.588	2.02481088
GF202	375619	AA027266	Hs.61328	ESTs, Weakly similar to transglutaminase X		4090.753	1.94835244
GF203	1367678	AA810039	Hs.32312	[H.sapiens]	KIAA0356	4089.574	1.11209978
GF204	878127	AA775422	Hs.98289	KIAA0356 gene product		4084.662	
GF201	281035	N47713	Hs.46756	VRK3 for vaccinia related kinase 3	LOC51231	4083.218	
GF202	625684	AA186335	Hs.168055	ESTs		4081.394	1.20889735
GF203	878689	AA775378	Hs.151513	mannosyl (alpha-1,3)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	MGAT1	4079.616	1.74507302
GF200	740914	AA478268	Hs.19686	C-terminal binding protein 1	CTBP1	4078.953	1.10987116
GF200	740914	AA478268	Hs.110761	C-terminal binding protein 1	CTBP1	4078.953	1.10987116
GF201	429505	AA011383	Hs.108715	ESTs		4068.705	
GF201	501430	AA115248	Hs.6774	ESTs		4067.826	
GF201	341641	W58343	Hs.25857	DKFZP586B2420 protein	DKFZP586B2420	4066.947	
GF204	1032170	AA778448	Hs.122021	protein kinase, X-linked	PRKX	4065.914	
GF203	855391	AA664007	Hs.119585	serine/threonine kinase 25		4064.505	1.00240013
GF201	45929	H09029	Hs.30891	(Ste20, yeast homolog)	STK25	4063.747	
				ESTs			

## APPENDIX A

GF201	469969	AA029934	Hs.118512	Hs.118512	integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	ITGAV	4063.35
GF201	488359	AA046498	Hs.61958	Hs.61958	ESTs, Weakly similar to BUTYROPHILIN		4063.336
GF203	30793	R42195	Hs.83023	Hs.83023	PRECURSOR [H.sapiens] peroxisomal biogenesis factor 11B	PEX11B	4062.349
GF202	298965	N71160	Hs.83379	Hs.174031	cytochrome c oxidase subunit VIb	COX6B	4062.017
GF203	430830	AA678176	Hs.10522	Hs.269528	ESTs		4059.444
GF200	814636	AA481026	Hs.77590	Hs.198296	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2	SMARCA2	4057.713
GF201	283058	N51291	Hs.46990	Hs.46990	ESTs		4055.541
GF200	346134	W77951	Hs.92198	Hs.92198	ESTs, Highly similar to calcium-regulated heat stable protein CRHSP-24 [H.sapiens]		4049.934
GF203	812294	AA455087	Hs.22247	Hs.22247	ESTs		4048.997
GF204	1455935	AA862344	Hs.127052	Hs.192732	ESTs, Weakly similar to !!!!		
GF202	304868	N93197	Hs.102915	Hs.102915	ALU SUBFAMILY J		
GF201	309803	N94612	Hs.7049	Hs.7049	WARNING ENTRY !!!!		
GF200	789232	AA450227	Hs.111709	Hs.148495	[H.sapiens]		4045.594
GF200	207665	H62267	Hs.38038	Hs.38038	ESTs		4041.855
GF203	343628	W69639	Hs.115244	Hs.278345	Homo sapiens cDNA		
GF202	730363	AA469954	Hs.104820	Hs.104820	FLJ10323 fis, clone		
GF202	32310	R42714	Hs.26255	Hs.26255	NT2RM2000540		4035.79
					proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	PSMD4	4035.782
					ESTs		4032.324
					hypothetical protein	HSPC220	4030.881
					EST		4028.898
					EST		4023.994
							1.14662458
							1.01911212
							-1.3429751
							1.67060437
							-1.0102608

APPENDIX A

GF203	290378	N64508	Hs.16426	Hs.16426	podocalyxin-like	PODXL	4020.711	1.44926548
GF201	325155	AA284260	Hs.89359	Hs.89359	keratin, hair, acidic, 4	KRTHA4	4014.057	
GF202	730914	AA416653	Hs.97349	Hs.181510	ESTs		4007.236	1.0715178
GF204	815782	AA485143	Hs.104433	Hs.104433	Homo sapiens napsin 2 precursor, mRNA, partial sequence		4006.248	
GF200	38465	R49470	Hs.119606	Hs.1023	pyruvate dehydrogenase (lipoamide) alpha 1	PDHA1	4004.29	1.82702635
GF201	121012	T96146	Hs.14239	Hs.268591	ESTs		4003.682	
GF202	773166	AA425665	Hs.98440	Hs.98440	ESTs		4003.529	1.00475596
GF203	726858	AA398355	Hs.97330	Hs.97330	ESTs		4000.631	1.4023566
GF204	743758	AA634285	Hs.116818	Hs.116818	EST		3999.102	
GF203	288983	N59816	Hs.25391	Hs.25391	ESTs		3996.965	-1.0491048
GF204	448088	AA702694	Hs.8039	Hs.8039	ESTs		3986.858	
GF201	289507	N59245	Hs.47142	Hs.47142	ESTs		3985.09	
GF203	291374	N72274	Hs.110493	Hs.118249	brefeldin A-inhibited guanine nucleotide-exchange protein 2	BIG2	3984.239	1.63271052
GF201	51511	H18956	Hs.21035	Hs.21035	Homo sapiens mRNA for KIAA1130 protein, partial cds		3979.85	
GF201	53103	R15794	Hs.21727	Hs.141027	ESTs		3979.697	
GF200	739901	AA477893	Hs.2379	Hs.226213	cytochrome P450, 51 (lanosterol 14-alpha-demethylase)	CYP51	3979.555	1.70233595
GF202	773147	AA425404	Hs.86211	Hs.274283	Homo sapiens cDNA FLJ10491 fis, clone NT2RP2000239		3977.144	1.05897099
GF201	756556	AA481438	Hs.73780	Hs.151242	complement component 1 inhibitor (angioedema, hereditary)	C1NH	3973.108	
GF204	161921	H26021	Hs.121086	Hs.136235	Homo sapiens mRNA; cDNA DKFZp7271021 (from clone DKFZp7271021); partial cds		3971.682	
GF202	502096	AA129758	Hs.71240	Hs.21415	Homo sapiens mRNA; cDNA DKFZp761K2024 (from clone DKFZp761K2024)		3971.138	1.63294713

102020" 86226860

## APPENDIX A

GF202	171916	H18963	Hs.107544	Hs.31622	neurexin 4 (contactin associated protein)	NRXN4	3965.627	1.25884349
GF200	325370	W52208	Hs.29748	Hs.29748	Homo sapiens cDNA FLJ20845 fis, clone ADKA01901		3965.196	1.124444543
GF202	271082	N34441	Hs.93780	Hs.93780	ESTs, Weakly similar to !!! ALU CLASS B WARNING ENTRY !!!! [H.sapiens] membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3)	MPP3	3959.666	-1.0950588
GF201	323777	W44685	Hs.83044	Hs.37144	ESTs		3958.209	
GF204	29989	R40123	Hs.100868	Hs.170141	myoglobin	MB	3958.01	
GF201	611443	AA176581	Hs.118836	Hs.118836	guanine nucleotide binding protein (G protein), alpha z polypeptide		3957.218	
GF201	40773	R56046	Hs.92002	Hs.92002	SRY (sex determining region Y)-box 4	GNAZ	3954.967	
GF201	366815	AA029415	Hs.100328	Hs.83484	similar to APOBEC1	SOX4	3952.777	
GF204	1460130	AA864496	Hs.8583	Hs.8583	EST	APOBEC1L	3951.366	1.27593994
GF202	730834	AA417011	Hs.98175	Hs.98175	ESTs		3949.822	
GF201	342082	W60310	Hs.108662	Hs.6979	ESTs		3943.332	
GF202	320588	W31566	Hs.55459	Hs.55459	EST		3943.287	1.04325917
GF200	197933	R96358	Hs.35552	Hs.35552	ESTs		3942.74	1.17880352
GF203	1404841	AA838730	Hs.119014	Hs.119014	zinc finger protein 175	ZNF175	3941.839	-1.0043154
GF201	131091	R23251	Hs.23487	Hs.153591	Not56 (D. melanogaster)-like protein	NOT56L	3939.692	
GF204	144012	R76896	Hs.29590	Hs.29590	ESTs		3939.577	
GF203	1468722	AA885210	Hs.125765	Hs.194061	ets variant gene 2	ETV2	3938.526	1.84951261
GF204	1519013	AA910981	Hs.13580	Hs.13580	ESTs		3938.195	
GF204	1587178	AA977080	Hs.21771	Hs.21771	Wolf-Hirschhorn syndrome candidate 2	WHSC2	3937.886	
GF201	324703	AA284235	Hs.109905	Hs.16003	retinoblastoma-binding protein 4	RBBP4	3937.486	



FO2020-86426860

## APPENDIX A

ESTs, Moderately similar to !!! ALU SUBFAMILY SQ WARNING ENTRY !!!									
GF200	233645	H79007	Hs.108456	Hs.182391	[H.sapiens] UDP glycosyltransferase 2 family, polypeptide B10 ESTs	UGT2B10	3937.085	-1.3912647	
GF200	212021	H68509	Hs.76800	Hs.76800			3935.3	1.31209972	
GF201	201609	R98003	Hs.53113	Hs.268874			3933.113		
GF201	277044	N39573	Hs.7193	Hs.7193	Homo sapiens mRNA for KIAA1183 protein, partial cds signal transducing adaptor molecule (SH3 domain and ITAM motif) 1		3930.142		
GF200	843076	AA485996	Hs.82899	Hs.153487	DNA segment, single copy probe LNS-CAI/LNS-CAII (deleted in polyposis ribosomal protein S19 KIAA0770 protein ESTs ESTs trinucleotide repeat containing 1	STAM	3927.026	1.23098089	
GF201	263727	H99681	Hs.74648	Hs.178112		D5S346	3918.41		
GF202	192242	H41165	Hs.113908	Hs.126701		RPS19	3916.372	-1.0596541	
GF201	502464	AA156801	Hs.61998	Hs.9452		KIAA0770	3912.396		
GF201	324323	W47552	Hs.107360	Hs.29019			3909.878		
GF202	268850	N26011	Hs.53810	Hs.53810			3909.465	1.85688444	
GF201	588559	AA147043	Hs.103315	Hs.103315		TNRC1	3909.258		
GF200	211202	H67666	Hs.38654	Hs.205244	ESTs, Weakly similar to ribosomal protein S6 kinase 3 [H.sapiens] inhibitor of DNA binding 3, dominant negative helix-loop- helix protein		3908.291	2.093330193	
GF201	756405	AA482119	Hs.76884	Hs.76884		ID3	3905.155		
GF200	788511	AA452753	Hs.2079	Hs.149957	ribosomal protein S6 kinase, 90kD, polypeptide 1 ESTs	RPS6KA1	3901.047	1.15489532	
GF203	229809	H67883	Hs.114202	Hs.114202			3900.892	-1.0276271	
GF201	491113	AA136983	Hs.77142	Hs.75929	cadherin 11 (OB-cadherin, osteoblast) Human DNA from chromosome 19-specific cosmid F25965, genomic sequence	CDH11	3900.491		
GF201	745560	AA626310	Hs.42514	Hs.42514			3898.491		

APPENDIX A

GF201	268946	N26062	Hs.12109	Hs.12109	WD40 protein Ciao1	CIAO1	3892.793
GF203	745249	AA626178	Hs.479	Hs.479	RAB5C, member of RAS	RAB5C	3891.405
GF202	796095	AA460376	Hs.112149	Hs.112149	oncogene family		3885.562
					ESTs		-1.1355913
					Homo sapiens cDNA		
GF204	502739	AA128214	Hs.27842	Hs.27842	FLJ11210 fis, clone		3883.553
GF200	195553	R91821	Hs.34253	Hs.245997	PLACE1007954		3883.537
GF202	565779	AA135870	Hs.61583	Hs.167133	ESTs		-1.6032612
					ESTs		1.15163321
					ESTs, Highly similar to		
GF200	783629	AA446682	Hs.75528	Hs.75528	AUTOANTIGEN NGP-1		3877.816
					[H.sapiens]		1.07040452
					serine		
					hydroxymethyltransferase 2		
GF200	951117	AA620477	Hs.75069	Hs.75069	(mitochondrial)	SHMT2	3876.967
					serine protease inhibitor, Kazal		1.15157133
GF203	1412481	AA845156	Hs.46262	Hs.181286	type 1	SPINK1	3869.903
GF200	366389	AA025807	Hs.18820	Hs.187991	DKFZP564A122 protein	DKFZP564A122	1.02253167
GF204	743992	AA629020	Hs.116292	Hs.116292	ESTs		3865.796
GF201	209389	H64150	Hs.108161	Hs.268949	ESTs		3865.407
GF202	275730	R94845	Hs.66445	Hs.66445	ESTs		3863.148
GF204	970795	AA774885	Hs.121795	Hs.121795	EST		3855.83
GF204	133569	R28633	Hs.93449	Hs.165539	ESTs		3852.947
GF202	137370	R38208	Hs.65708	Hs.167002	ESTs		3845.509
GF202	773632	AA431861	Hs.98765	Hs.98765	ESTs		3845.272
					programmed cell death 8		1.58433759
GF203	755274	AA496348	Hs.18720	Hs.18720	(apoptosis-inducing factor)	PDCD8	3839.479
GF202	562447	AA100595	Hs.69405	Hs.69405	EST		-1.2032629
GF201	1020315	AA682337	Hs.104005	Hs.104005	vav 2 oncogene	VAV2	3839.093
GF200	51814	H22919	Hs.695	Hs.695	cystatin B (stefin B)	CSTB	3836.5
					ESTs, Weakly similar to !!!!		3836.146
					ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
GF200	344757	W72813	Hs.83513	Hs.83513	[H.sapiens]		3834.878
GF203	785788	AA449745	Hs.16819	Hs.178538	ESTs		3833.845
GF200	310519	N98524	Hs.47913	Hs.47913	coagulation factor X	F10	3833.068
							1.21863451

FILED NO. 3626860

Westbrook et al.

Atty Docket No. 21726/92526

# APPENDIX A

GF201	293110	N63848	Hs.108285	Hs.269116	ESTs	3832.064	
					pregnancy-associated plasma protein A		
GF203	137704	R37986	Hs.114964	Hs.75874	ESTs	3823.043	-1.2512081
GF203	48181	H12277	Hs.30509	Hs.30509	ESTs, Weakly similar to PROTEIN PHOSPHATASE 2C ALPHA ISOFORM [H.sapiens]	3822.019	1.22791018
GF203	685185	AA252651	Hs.43897	Hs.43897	propotein convertase subtilisin/kexin type 7	3821.139	1.58833322
GF200	813460	AA455427	Hs.32978	Hs.32978	PCSK7	3819.464	-1.2578751
GF204	366525	AA026771	Hs.49169	Hs.49169	ESTs	3815.08	
GF200	767769	AA418224	Hs.10315	Hs.10315	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	3814.077	1.08258227
GF201	429927	AA034058	Hs.61709	Hs.61709	ESTs	3813.27	
GF200	143519	R75819	Hs.1034	Hs.227729	FK506-binding protein 2 (13kD)	3811.308	-1.5737323
					ESTs, Moderately similar to !!!		
					ALU SUBFAMILY J		
					WARNING ENTRY !!!		
GF201	81589	T65857	Hs.11785	Hs.271498	[H.sapiens]	3810.48	
GF203	272140	N35469	Hs.42532	Hs.42532	ESTs	3807.657	1.57330861
GF203	45582	H08120	Hs.7898	Hs.87889	helicase-moi KIAA0928	3806.044	1.40173926
					Homo sapiens mRNA; cDNA DKFZp58611823 (from clone DKFZp58611823)		
GF201	292015	N73278	Hs.100689	Hs.52792	ESTs	3802.239	
GF203	413109	AA707814	Hs.7396	Hs.7396	Homo sapiens mRNA; cDNA DKFZp586M0524 (from clone DKFZp586M0524)	3792.689	1.40532552
GF201	758356	AA404288	Hs.110700	Hs.18442	ESTs	3790.901	
GF201	298662	N74313	Hs.93999	Hs.42746	bromodomain adjacent to zinc finger domain, 2B	3790.07	
GF201	62114	T41078	Hs.8383	Hs.8383	KIAA0594 protein	3789.368	-1.3944583
GF202	758371	AA404360	Hs.27067	Hs.103283		3788.695	

APPENDIX A

GF203	878605	AA775270	Hs.29005	Hs.59384	Homo sapiens mRNA; cDNA DKFZp586E2023 (from clone DKFZp586E2023)	3787.42	-1.1766791
GF200	234080	H69004	Hs.38772	Hs.38772	RAB36, member RAS	3784.898	1.17621258
GF201	810457	AA457137	Hs.108318	Hs.182740	oncogene family	3783.746	
GF200	783698	AA446822	Hs.81412	Hs.81412	ribosomal protein S11	3782.619	1.06106641
GF202	262823	H99640	Hs.53687	Hs.53687	KIAA0188 protein	3781.905	-1.217603
GF202	730554	AA435940	Hs.54960	Hs.54960	ESTs	3780.662	1.7281624
GF201	51020	H19312	Hs.28096	Hs.28096	ESTs	3778.138	
					ESTs, Weakly similar to WDNM1 PROTEIN		
GF201	325247	AA284262	Hs.56105	Hs.56105	PRECURSOR [R.norvegicus]	3777.396	
GF203	700900	AA287375	Hs.27445	Hs.27445	ESTs, Weakly similar to W05H7.3 [C.elegans]	3776.205	1.03161964
GF201	321886	W37628	Hs.55586	Hs.101799	KIAA1350 protein	3775.251	
GF201	291706	N73480	Hs.42453	Hs.216726	ESTs	3774.74	
GF203	324717	W47364	Hs.106879	Hs.180141	cofilin 2 (muscle)	3773.122	1.02950249
GF204	1468230	AA884909	Hs.125691	Hs.125691	EST	3772.399	
					Homo sapiens cDNA FLJ10976 fis, clone PLACE1001399		
GF200	134495	R27711	Hs.24462	Hs.24462		3769.422	1.17983746
GF204	826218	AA521459	Hs.112290	Hs.12592	period (Drosophila) homolog 3	3768.992	
GF200	66714	T64878	Hs.12609	Hs.155524	peanut (Drosophila)-like 2 non-Pou domain-containing octamer (ATGCAAAAT) binding protein	3768.345	1.21844219
GF202	509887	AA056465	Hs.76335	Hs.172207	NONO	3767.861	1.81299612
					signal sequence receptor, gamma (translocon- associated protein gamma) DKFZP564F0522 protein ESTs		
GF202	767206	AA424586	Hs.28691	Hs.28707	SSR3	3767.482	1.61869923
GF202	897542	AA496996	Hs.23060	Hs.23060	DKFZP564F0522	3766.036	1.12993125
GF202	612685	AA179510	Hs.124040	Hs.269778	ESTs	3765.78	1.20532654
					membrane component, chromosome 11, surface marker 1		
GF201	845663	AA670155	Hs.119283	Hs.278672	M11S1	3765.274	

APPENDIX A

GF204	1456602	AA864681	Hs.14476	Hs.110299	mitogen-activated protein kinase kinase 7	MAP2K7	3764.028
GF201	882483	AA676598	Hs.7879	Hs.7879	interferon-related developmental regulator 1	IFRD1	3763.24
GF203	127708	R09497	Hs.20369	Hs.20369	ESTs, Weakly similar to finger protein HZF10, Krueppel-related [H.sapiens]		3762.12 1.04404555
GF204	1493060	AA886340	Hs.115418	Hs.115418	cadherin 16; KSP-CADHERIN	CDH16	3757.086
GF204	24392	R39334	Hs.113402	Hs.274348	HLA-B associated transcript-3	D6S52E	3755.246
GF200	784910	AA448033	Hs.75819	Hs.75819	glycoprotein M6A	GPM6A	3753.755 1.07703405
GF201	359647	AA010870	Hs.60455	Hs.60455	ESTs		3750.592
GF201	505000	AA151265	Hs.71943	Hs.71943	ESTs		3750.192
GF203	461363	AA704908	Hs.120848	Hs.186824	ESTs		3748.615 -2.6445815
GF200	233299	H77506	Hs.98457	Hs.183212	isoprenylcysteine carboxyl methyltransferase	ICMT	3748.291 1.23030463
GF200	741497	AA401137	Hs.82238	Hs.204238	lipocalin 2 (oncogene 24p3)	LCN2	3746.397 1.1010052
GF204	1292011	AA707499	Hs.104819	Hs.178443	ESTs		3744.311
GF203	825261	AA504156	Hs.59574	Hs.131728	Homo sapiens mRNA for KIAA1140 protein, partial cds		3741.589 1.78637361
GF200	504236	AA133920	Hs.1905	Hs.1905	prolactin	PRL	3740.566 1.14560259
GF204	251618	H97017	Hs.102362	Hs.169115	ESTs, Highly similar to DYNEIN HEAVY CHAIN, CYTOSOLIC [R.norvegicus]		3732.739
GF200	126438	R06642	Hs.100640	Hs.173961	ESTs		3727.079 1.25864103
GF201	151501	H02848	Hs.89640	Hs.89640	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)	TEK	3726.019
GF202	320380	W05355	Hs.102971	Hs.102971	ESTs		3725.945 1.0977776
GF203	223231	H86589	Hs.52988	Hs.193876	ESTs, Moderately similar to !!! ALU SUBFAMILY SQ WARNING ENTRY !!! [H.sapiens]		3720.459 -1.1778754

APPENDIX A

GF204	491733	AA115266	Hs.34267	Hs.93379	eukaryotic translation initiation factor 4B	EIF4B	3719.904	
GF203	41558	R67259	Hs.25968	Hs.25968	ESTs		3714.787	1.63585714
GF200	50614	H17512	Hs.79008	Hs.79008	SKI-INTERACTING PROTEIN	SNW1	3714.345	1.15958754
GF202	773276	AA425319	Hs.98303	Hs.98303	caveolin 3	CAV3	3712.152	1.66809016
GF202	36491	R46700	Hs.63788	Hs.129692	ESTs		3710.579	-1.0061792
GF202	364569	AA022951	Hs.109937	Hs.182507	keratin, hair, basic, 5	KRTHB5	3706.327	1.05347416
GF202	320764	W31683	Hs.55475	Hs.190399	ESTs		3705.766	-1.6886815
GF202	417263	W87781	Hs.59085	Hs.59085	ESTs		3705.65	2.59781002
GF201	51975	H23198	Hs.79347	Hs.79347	KIAA0211 gene product	KIAA0211	3704.936	
GF202	490333	AA127743	Hs.71023	Hs.71023	ESTs		3701.482	1.9534474
GF204	32537	R43158	Hs.91789	Hs.91789	ESTs		3701.373	
GF204	207558	H60173	Hs.117808	Hs.272003	hemoglobin, zeta	HBZ	3701.27	
GF202	1031640	AA609511	Hs.45209	Hs.45209	ESTs		3701.248	1.21923194
					sarcoglycan, alpha (50kD)			
GF200	796258	AA461125	Hs.99931	Hs.99931	dystrophin-associated glycoprotein)	SGCA	3699.407	-1.4924215
GF200	50506	H17504	Hs.75465	Hs.271980	mitogen-activated protein kinase 6	MAPK6	3697.141	1.15677452
					KIAA0001 gene product; putative G-protein-coupled receptor; G protein coupled receptor for UDP-glucose	KIAA0001	3696.74	
GF201	469358	AA027011	Hs.2465	Hs.2465	ESTs		3695.576	
GF201	40881	R56055	Hs.12315	Hs.12315				
GF200	786048	AA448641	Hs.108371	Hs.108371	E2F transcription factor 4, p107/p130-binding	E2F4	3695.319	1.09079469
GF200	786048	AA448641	Hs.79397	Hs.108371	E2F transcription factor 4, p107/p130-binding	E2F4	3695.319	1.09079469
GF200	275738	R93176	Hs.23118	Hs.23118	carbonic anhydrase I	CA1	3692.264	1.13383798
GF201	39821	R53428	Hs.26035	Hs.180513	ATP-binding cassette, sub-family A (ABC1), member 5	ABCA5	3689.262	
					Homo sapiens mRNA; cDNA DKFZp761M222 (from clone DKFZp761M222)			
GF203	214980	H73777	Hs.111599	Hs.273186			3688.024	1.354444038

## APPENDIX A

GF200	753313	AA410265	Hs.79356	Hs.79356	LPTM5	3687.292	-1.0921698
GF204	1293093	AA682183	Hs.117212	Hs.117212		3683.859	
GF201	502818	AA137260	Hs.6986	Hs.6986	Lysosomal-associated multispanning membrane protein-5 EST ESTs, Weakly similar to !!! ALU SUBFAMILY SX WARNING ENTRY !!!! [H.sapiens] ESTs Homo sapiens mRNA; cDNA DKFZp434C0926 (from clone DKFZp434C0926); partial cds EST ESTs colony stimulating factor 1 (macrophage) ESTs ESTs Homo sapiens mRNA; cDNA DKFZp761H221 (from clone DKFZp761H221) ESTs	3679.224	
GF201	488145	AA058709	Hs.49625	Hs.238936		3679.002	
GF204	1293118	AA682223	Hs.96763	Hs.177956	CSF1	3678.826	1.6253424
GF202	489633	AA101876	Hs.69306	Hs.69306		3678.813	-1.3045547
GF203	251569	H97701	Hs.42424	Hs.42424		3676.052	
GF202	73527	T55558	Hs.82813	Hs.173894		3675.774	1.06675617
GF202	287258	N66985	Hs.49299	Hs.49299		3669.155	1.0072904
GF202	300000	N78889	Hs.50770	Hs.50770		3669.127	1.06766597
GF203	878373	AA670330	Hs.10702	Hs.10702	ESTs, Highly similar to 45kDa splicing factor [H.sapiens] ESTs, Weakly similar to !!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens] protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcieneurin A alpha) ESTs EST	3669.009	-1.8967032
GF202	744436	AA621224	Hs.112954	Hs.112954		3668.875	1.14976974
GF203	814386	AA458853	Hs.107001	Hs.107001		3667.672	1.34821948
GF204	198854	H82867	Hs.20190	Hs.271495		3664.696	
GF201	431296	AA682631	Hs.92	Hs.272458	PPP3CA	3663.861	
GF204	1417972	AA878772	Hs.125398	Hs.125398		3660.399	
GF202	491627	AA150260	Hs.72062	Hs.72062		3660.05	-1.0813787

FO2020-86226860

## APPENDIX A

GF201	291059	N72116	Hs.25103	Hs.57435	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2 ESTs ESTs hypothetical protein, expressed in osteoblast KIAA0391 gene product ESTs, Moderately similar to !!! ALU SUBFAMILY SB WARNING ENTRY !!!! [H.sapiens] ESTs ESTs proteasome (prosome, macropain) 26S subunit, ATPase, 6 membrane protein of cholinergic synaptic vesicles tyrosine kinase with immunoglobulin and epidermal growth factor homology domains peptidylprolyl isomerase C (cyclophilin C) ESTs	SLC11A2	3659.85 3659.824 3658.107
GF204	361091	AA017225	Hs.40249	Hs.40249			
GF201	194381	R83004	Hs.107795	Hs.107795			
GF200	754479	AA410567	Hs.75470	Hs.75470	rich (transformer 2 Drosophila homolog) 10 ESTs ESTs Homo sapiens cDNA FLJ10098 fis, clone HEMBA1002460	GS3686 KIAA0391	1.1593962
GF201	773426	AA426039	Hs.5917	Hs.154668			3657.062 3656.115
GF202	303110	N90774	Hs.54656	Hs.132207	splicing factor, arginine/serine-rich (transformer 2 Drosophila homolog) 10 ESTs ESTs Homo sapiens cDNA FLJ10098 fis, clone HEMBA1002460		1.60722275
GF201	273394	N36853	Hs.40421	Hs.40421			3654.483 3654.361
GF201	491392	AA115535	Hs.34789	Hs.34789			3654.316
GF201	198614	R94943	Hs.107963	Hs.79357	peptidylprolyl isomerase C (cyclophilin C) ESTs	PSMC6	3653.169
GF201	856902	AA669603	Hs.75130	Hs.157236		VATI	3650.637
GF200	784124	AA432062	Hs.78824	Hs.78824	peptidylprolyl isomerase C (cyclophilin C) ESTs	TIE	-1.4127207
GF201	487437	AA043412	Hs.82863	Hs.110364		PPIC	3647.893
GF200	344672	W74565	Hs.15536	Hs.15536			3647.572 1.1102118
GF200	47681	H11792	Hs.30035	Hs.30035	peptidylprolyl isomerase C (cyclophilin C) ESTs		
GF202	290423	N62346	Hs.48520	Hs.48520			3645.192 3640.335
GF202	280329	N47090	Hs.46669	Hs.46669			3639.874 1.1356847
GF202	256477	H94745	Hs.108782	Hs.217489	peptidylprolyl isomerase C (cyclophilin C) ESTs		
							3639.783
							-1.0019471



FILED "36226360

## APPENDIX A

GF204	1049135	AA620975	Hs.116281	Hs.189183	ESTs, Weakly similar to Nod1 [H.sapiens]	3637.288
GF204	462506	AA699784	Hs.124734	Hs.141727	myotubularin related protein 4 ESTs, Weakly similar to coded for by C. elegans cDNA yk44f2.5 [C.elegans] transcriptional intermediary factor 1	3635.282
GF202	772416	AA405543	Hs.26110	Hs.26110	ESTs, Weakly similar to hypothetical protein [H.sapiens] ESTs	3633.849
GF200	137535	R39430	Hs.25299	Hs.183858	ficolin (collagen/fibrinogen domain-containing) 3 (Hakata antigen)	3632.562
GF201	418297	W90748	Hs.58428	Hs.58428	v-jun avian sarcoma virus 17 oncogene homolog	3631.891
GF203	451733	AA707680	Hs.120039	Hs.189004	ESTs	3630.475
GF204	858877	AA666363	Hs.9225	Hs.272576	nuclear receptor binding protein	3621.934
GF200	358531	W96134	Hs.78465	Hs.78465	ESTs	3620.227
GF203	767023	AA451742	Hs.50742	Hs.50742	ESTs	3619.503
GF202	323522	W45701	Hs.109892	Hs.272736	ESTs	3618.224
GF203	812156	AA456018	Hs.47673	Hs.179520	ESTs	3618.115
GF200	232789	H73947	Hs.93342	Hs.274135	Homo sapiens mRNA; cDNA DKFZp434K1815 (from clone DKFZp434K1815); partial cds	3617.573
GF200	756488	AA436409	Hs.326	Hs.326	TAR (HIV) RNA-binding protein 2	3617.43
GF201	841221	AA486741	Hs.61258	Hs.61258	argininosuccinate lyase developmentally regulated	3616.293
GF200	813158	AA456688	Hs.78582	Hs.78582	GTP-binding protein 2	3616.199
GF201	50132	H17055	Hs.7167	Hs.83071	ESTs	3615.835
GF202	950501	AA599142	Hs.112509	Hs.112509	EST	3611.571
GF204	37392	R51073	Hs.101016	Hs.11056	Homo sapiens mRNA; cDNA DKFZp564E193 (from clone DKFZp564E193)	3610.151
GF201	323603	W44340	Hs.31702	Hs.75900	aconitase 2, mitochondrial	3606.027

FOUO" 86226860

## APPENDIX A

GF202	743519	AA609415	Hs.109285	Hs.13495	requiem, apoptosis response		
GF202	320568	W31352	Hs.55445	Hs.55445	zinc finger gene	REQ	3604.969 1.24857832
					ESTs		3604.824 -1.0982665
					ESTs, Moderately similar to !!!!		
					ALU SUBFAMILY SB2		
					WARNING ENTRY !!!!		
GF201	770860	AA434388	Hs.87456	Hs.270572	[H.sapiens]		3604.267
					ESTs, Weakly similar to		
					hypothetical protein		
GF203	267736	N23282	Hs.40779	Hs.184341	[H.sapiens]		3600.992 -1.2920883
					ESTs, Weakly similar to		
					transposon LRE2 reverse		
					transcriptase homolog		
GF200	293539	N63727	Hs.48852	Hs.269113	[H.sapiens]		3598.856 1.02820109
					protein Z, vitamin K-dependent		
GF201	430471	AA680349	Hs.1011	Hs.1011	plasma glycoprotein	PROZ	3596.938
GF201	429446	AA007619	Hs.103294	Hs.136227	ESTs		3596.492
GF200	296568	W00794	Hs.50382	Hs.50382	ESTs		3595.989 -1.1158982
					poly(A)-binding protein,		
					cytoplasmic 1	PABPC1	3592.431 1.61265287
GF200	840940	AA486626	Hs.66311	Hs.172182	SWI/SNF related, matrix		
					associated, actin dependent		
					regulator of chromatin,		
					subfamily c, member 1	SMARCC1	3590.146 1.7878078
GF203	1475797	AA872122	Hs.85813	Hs.172280	fucosyltransferase 8 (alpha		
					(1,6) fucosyltransferase)	FUT8	3586.417 1.13301811
GF200	627541	AA192527	Hs.5172	Hs.118722	protease inhibitor 1 (anti-		
					elastase), alpha-1-antitrypsin	PI	3586.207 1.10439588
GF203	197794	R93723	Hs.107938	Hs.75621	YY1-associated factor 2	YAF2	3584.169 -1.0390399
GF203	1320746	AA758082	Hs.115369	Hs.180324	RNA binding motif protein 9	RBM9	3583.791
GF201	417976	W90660	Hs.26127	Hs.5011	ESTs		3582.109 1.13048285
GF203	687381	AA235286	Hs.30563	Hs.30563	EST		3580.941 2.36243333
GF200	138165	R53900	Hs.26075	Hs.143992	ESTs		3580.475 1.38931706
GF202	270788	N29801	Hs.44091	Hs.44091	DKFZP564G1964 protein	DKFZP564G1964	3578.473 1.06718389
GF203	754312	AA479504	Hs.5801	Hs.5801	translin	TSN	3578.304 -1.0417839
GF200	795936	AA461231	Hs.75066	Hs.75066			

APPENDIX A

GF202	503966	AA131794	Hs.71449	Hs.71449	EST	3576.01	1.09032108
GF204	163807	H14078	Hs.131003	Hs.131003	ESTs	3575.769	
GF200	233365	H79888	Hs.78041	Hs.15202	chimerin (chimaerin) 2	3570.972	1.8972804
GF200	510760	AA102035	Hs.44106	Hs.275254	EST	3570.731	-1.0162908
GF203	768096	AA418984	Hs.111991	Hs.111991	ESTs	3569.994	1.64834659
GF200	770216	AA434117	Hs.75196	Hs.75196	ankyrin repeat-containing protein	3564.275	1.803994905
GF200	324342	W47576	Hs.78264	Hs.264330	N-acylsphingosine		
GF204	291370	N72272	Hs.42814	Hs.198281	amidohydrolase (acid ceramidase)-like	3564.01	1.13825659
GF203	788332	AA453014	Hs.31028	Hs.31028	pyruvate kinase, muscle	3563.152	
GF203	48955	H16725	Hs.27463	Hs.27463	ESTs	3561.291	1.17965905
GF201	234955	H73628	Hs.108382	Hs.268981	ESTs	3559.628	1.03099999
GF201	325033	W46964	Hs.55969	Hs.42311	ESTs	3559.324	
GF200	32472	R17654	Hs.4791	Hs.4791	ESTs	3559.282	
GF203	815586	AA458844	Hs.15202	Hs.15202	KIAA0376 protein	3559.25	1.03957603
GF202	281012	N47693	Hs.46754	Hs.46754	chimerin (chimaerin) 2	3556.427	2.51166121
GF204	1032734	AA664350	Hs.88238	Hs.179309	EST	3555.895	1.51093698
GF200	786607	AA451969	Hs.95243	Hs.95243	ESTs	3553.356	
GF203	506575	AA708508	Hs.23918	Hs.23918	transcription elongation factor A (SII)-like 1	3550.641	1.20075928
GF202	280799	N47500	Hs.46727	Hs.46727	Homo sapiens clone 25116 mRNA sequence	3546.323	-1.1533058
GF201	280356	N47099	Hs.82483	Hs.82483	ESTs	3546.052	1.17025664
GF202	950945	AA608752	Hs.71969	Hs.71969	MAD (mothers against decapentaplegic, Drosophila) homolog 2	3545.011	
GF200	233399	H77697	Hs.38814	Hs.205979	Homo sapiens mRNA; cDNA		
GF204	1469945	AA865355	Hs.127068	Hs.127068	DKFZp564P0823 (from clone DKFZp564P0823)	3544.526	2.27472246
					ESTs	3543.608	2.29356549
					ESTs	3542.568	
GF200	222181	H85355	Hs.1526	Hs.1526	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	3542.236	1.01605384
GF201	284524	N64746	Hs.47005	Hs.47005	ESTs	3541.878	

APPENDIX A

GF201	322961	W45165	Hs.55198	Hs.76368	capping protein (actin filament)		3538.693
GF202	286490	N67355	Hs.50162	Hs.50162	muscle Z-line, beta	CAPZB	3531.069
GF202	731275	AA420998	Hs.46600	Hs.178095	ESTs		3527.069
GF203	42070	R60343	Hs.76856	Hs.153952	5' nucleotidase (CD73)	NT5	3526.334
GF202	743321	AA400595	Hs.97817	Hs.97817	ESTs		3523.857
GF201	51052	H18657	Hs.6498	Hs.6498	ESTs		3522.384
					Homo sapiens cDNA		
GF203	195817	R92186	Hs.20594	Hs.20594	FLJ20203 fis, clone		3521.435
GF202	744447	AA621236	Hs.112955	Hs.112955	COLF1334		3520.294
GF200	666377	AA232647	Hs.6557	Hs.167558	EST		3520.093
GF200	666377	AA232647	Hs.83611	Hs.167558	zinc finger protein 161	ZNF161	3520.093
					zinc finger protein 161	ZNF161	
					SMT3 (suppressor of mif two		
GF203	1472719	AA872379	Hs.85119	Hs.85119	3, yeast) homolog 1	SMT3H1	3518.163
GF203	785342	AA476494	Hs.47246	Hs.172788	ALEX3 protein	ALEX3	3517.986
GF200	134525	R27581	Hs.18283	Hs.78946	cullin 3	CUL3	3517.622
GF202	344550	W73597	Hs.58317	Hs.229128	EST		3513.438
GF200	239708	H79640	Hs.46158	Hs.262198	ESTs		3512.326
GF203	306513	N91811	Hs.35092	Hs.35092	ESTs		3511.446
GF203	269612	N24163	Hs.45033	Hs.222579	ESTs		3509.851
GF200	196148	R92352	Hs.14478	Hs.14478	ESTs		3508.348
GF200	132373	R26526	Hs.64025	Hs.64025	basonuclein	BNC	3507.649
GF204	859654	AA666418	Hs.9728	Hs.9728	ALEX1 protein	LOC51309	3505.818
GF202	773083	AA425307	Hs.22581	Hs.22581	ESTs		3505.452
GF202	241241	H81083	Hs.114247	Hs.205893	ESTs		3505.146
					lymphocyte cytosolic protein 1		
GF201	344589	W73144	Hs.76506	Hs.76506	(L-plastin)	LCP1	3500.37
GF204	1420810	AA826251	Hs.130862	Hs.192040	ESTs		3499.785
GF201	51743	H23081	Hs.26396	Hs.117077	zinc finger protein 264	ZNF264	3499.615
					ubiquitin specific protease 7		
GF200	525518	AA064681	Hs.78683	Hs.78683	(herpes virus-associated)	USP7	3497.186
GF202	742857	AA406205	Hs.97965	Hs.97965	EST		3496.224
GF203	220369	H86816	Hs.40528	Hs.40528	ESTs		3496.114
GF200	322786	W39609	Hs.22003	Hs.22003	ESTs		3488.025
GF201	70027	T48767	Hs.76061	Hs.173936	interleukin 10 receptor, beta	IL10RB	3484.596

APPENDIX A

GF201	853151	AA668301	Hs.80617	Hs.80617	ribosomal protein S16	RPS16	3484.518
GF202	782208	AA431975	Hs.97790	Hs.97790	ESTs		3484.331
GF201	343401	W67228	Hs.49124	Hs.49124	ESTs		3481.276
GF201	771241	AA443587	Hs.97985	Hs.153293	KIAA0701 protein	KIAA0701	3476.477
GF202	1049267	AA620741	Hs.112894	Hs.112894	EST		3474.069
GF200	784278	AA447481	Hs.77617	Hs.77617	nuclear antigen Sp100	SP100	3473.856
GF204	773419	AA426036	Hs.24789	Hs.24789	ESTs		3473.37
					ESTs, Moderately similar to !!!		
					ALU SUBFAMILY SP		
					WARNING ENTRY !!!!		
GF201	365955	AA063598	Hs.35488	Hs.35488	[H.sapiens]		3470.883
GF201	342753	W68421	Hs.46506	Hs.46506	ESTs		3470.577
GF204	23769	R38280	Hs.129671	Hs.150922	BCS1 (yeast homolog)-like	BCS1L	3467.807
					acetyl-Coenzyme A		
					acetyltransferase 2		
					(acetoacetyl Coenzyme A		
					thiolase)	ACAT2	3466.007
GF200	36393	R25823	Hs.4112	Hs.278544	interferon-stimulated		1.30995018
					transcription factor 3, gamma		
GF200	724588	AA291577	Hs.1706	Hs.1706	(48kD)	ISGF3G	3466
					Homo sapiens cDNA		
GF201	782719	AA447984	Hs.6732	Hs.180201	FLJ20671 fis, clone KAIA4655		3465.958
GF200	201517	R97031	Hs.100685	Hs.177269	ESTs		3464.678
GF202	253865	N22007	Hs.43057	Hs.43057	ESTs		3463.5
					ribonuclease, RNase A family,		
					2 (liver, eosinophil-derived		
					neurotoxin)	RNASE2	3463.045
GF204	1576709	AA984940	Hs.728	Hs.728	ESTs, Weakly similar to		
					R10D12.12 [C.elegans]		
GF201	489213	AA045665	Hs.50463	Hs.110853	ESTs, Weakly similar to TNF-		3462.033
					induced protein GG2-1		
					[H.sapiens]		
GF200	123724	R01279	Hs.16179	Hs.16179	ESTs		3459.684
GF203	413292	AA772494	Hs.62604	Hs.62604	ESTs		3459.161
GF201	47361	H11005	Hs.31019	Hs.31019	ESTs		3458.951
							1.22246668
							1.07712162

## APPENDIX A

GF200	781510	AA432143	Hs.40403	Hs.40403	CITED1	3458.192	-1.0015371
					Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1		
GF200	128738	R09980	Hs.62527	Hs.94952	ESTs, Highly similar to transcription elongation factor TFIIIS.h [H.sapiens]	3457.612	1.52610628
GF202	773430	AA426041	Hs.111666	Hs.78277	DKFZP434F2021 protein	3456.594	1.26370039
					Homo sapiens mRNA; cDNA		
GF201	52990	R15441	Hs.4774	Hs.4774	DKFZp761C1712 (from clone DKFZp761C1712)	3454.987	
					Homo sapiens mRNA; cDNA		
GF201	322511	W15339	Hs.55331	Hs.85335	DKFZp564D1462 (from clone DKFZp564D1462)	3454.377	
					hypothetical protein from BCRA2 region		
GF203	289677	N59893	Hs.23518	Hs.23518	CG005	3450.894	1.19959808
GF203	35769	R45367	Hs.101191	Hs.101191	ESTs	3448.493	1.05650805
GF201	306300	N90608	Hs.29569	Hs.117582	ESTs	3447.458	
					carcinoembryonic antigen-related cell adhesion molecule 5		
GF201	586706	AA130584	Hs.84960	Hs.220529	CEACAM5	3446.921	
					ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein)		
GF203	1472150	AA873577	Hs.76572	Hs.76572	ATP5O	3445.54	1.05488314
					ESTs, Weakly similar to transformation-related protein [H.sapiens]	3445.344	
GF201	126447	R06599	Hs.106193	Hs.24529	chromosome 21 open reading frame 7	3442.129	-1.2370698
GF202	743341	AA400378	Hs.49391	Hs.49391	YG81		
					leucine rich repeat (in FLII) interacting protein 1	3442.113	1.49219873
GF200	562927	AA085597	Hs.61771	Hs.239894	LRRFIP1	3441.274	
GF204	449340	AA777913	Hs.121985	Hs.28578	muscleblind (Drosophila)-like EST	3440.066	
GF204	858363	AA634132	Hs.116807	Hs.116807	MBNL		
GF201	269878	N24880	Hs.43486	Hs.138660	ESTs	3437.66	

APPENDIX A

GF201	50582	H17038	Hs.6667	Hs.6667	ESTs, Weakly similar to /prediction	3435.258	
GF201	307244	N95187	Hs.55118	Hs.55118	ESTs	3430.896	
GF201	773617	AA431869	Hs.108332	Hs.108332	ubiquitin-conjugating enzyme E2D 2 (homologous to yeast UBC4/5)	3430.712	UBE2D2
GF200	195358	R89539	Hs.34226	Hs.1430	coagulation factor XI (plasma thromboplastin antecedent)	3429.853	F11
GF204	787867	AA452151	Hs.99266	Hs.274231	ESTs	3427.092	
GF201	490971	AA136692	Hs.103850	Hs.31305	transducin-like enhancer of split 3, homolog of Drosophila E(sp1)	3426.471	TLE3
GF203	700790	AA284071	Hs.89268	Hs.180680	ESTs	3425.787	1.13487706
GF200	123700	R01706	Hs.19227	Hs.113759	ESTs	3424.24	1.23008924
GF200	242011	H93319	Hs.34262	Hs.34262	ESTs	3421.939	1.2525564
GF203	361659	W96189	Hs.12891	Hs.12891	ESTs	3421.773	1.16859242
GF202	42627	R60995	Hs.21016	Hs.21016	coagulation factor C (Limulus polyphemus) homology (cochlin)	3421.352	1.3430687
GF203	825176	AA504164	Hs.3542	Hs.3542	Homo sapiens cDNA FLJ10972 fis, clone PLACE1001000	3420.457	1.12071888
GF204	1554167	AA931102	Hs.7404	Hs.7404	ESTs	3419.915	
GF203	277589	N57005	Hs.32597	Hs.32597	ring finger protein (C3H2C3 type) 6	3412.886	1.45762496
GF201	503682	AA129974	Hs.16603	Hs.16603	ESTs	3411.658	
GF201	46055	H08850	Hs.30881	Hs.30881	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2	3411.568	PPFIA2
GF202	1055588	AA620890	Hs.97403	Hs.97403	KIAA0944 protein	3409.948	KIAA0944
GF200	788832	AA450062	Hs.64037	Hs.116577	prostate differentiation factor	3408.086	PLAB
GF200	310493	W31074	Hs.24550	Hs.268012	fatty-acid-Coenzyme A ligase, long-chain 3	3406.005	FACL3
GF203	666061	AA193405	Hs.4811	Hs.4811	ESTs	3404.599	-1.1981551

Westbrook et al.

APPENDIX A

GF204	392096	AI003694	Hs.130344	Hs.130344	EST ESTs, Weakly similar to BETA- GALACTOSIDASE	3400.814
GF204	1502466	AA894618	Hs.32764	Hs.181173	PRECURSOR [H.sapiens] DEAD/H (Asp-Glu-Ala- Asp/His) box polypeptide 8 (RNA helicase)	3400.713
GF200	814119	AA465460	Hs.115286	Hs.171872	chemokine (C-C motif) receptor 6	3400.659
GF200	247281	N57964	Hs.46468	Hs.46468	ESTs	3400.433
GF202	742737	AA400154	Hs.97785	Hs.157526	peanut (Drosophila)-like 1	3399.676
GF200	308041	W24429	Hs.3847	Hs.3847	ESTs, Weakly similar to transposon LRE2 reverse transcriptase homolog [H.sapiens]	3396.976
GF201	325172	W48580	Hs.39972	Hs.39972	ESTs	3393.915
GF201	233277	H77494	Hs.108429	Hs.270149	ESTs	3392.741
GF202	841471	AA487241	Hs.124837	Hs.269414	EST	3392.515
GF200	208699	H61003	Hs.101150	Hs.244452	ESTs	3389.606
GF204	1474670	AA857001	Hs.125108	Hs.189090	ESTs	3388.622
GF204	1048678	AA608847	Hs.97514	Hs.97514	ESTs	3386.832
GF203	726661	AA398246	Hs.97594	Hs.97594	Homo sapiens mRNA for KIAA1210 protein, partial cds Human DNA sequence from clone RP1-12G14 on chromosome 6q24.1-25.2. Contains the 5' end of the gene for a novel cyclophilin type peptidyl-prolyl cis-trans isomerase, a novel gene, an RPS18 (40S Ribosomal protein S18) pseudogene, the 3' end of the KATNA1 ge ESTs	3385.465
GF203	257155	N26840	Hs.43863	Hs.240767	ESTs	3385.258
GF202	285581	N66454	Hs.49203	Hs.49203	ESTs	3382.421
GF201	126713	R07115	Hs.19890	Hs.271224	ESTs	3381.605
						-1.8580921 1.70551035



102020" 85226860

## APPENDIX A

GF204	462807	AA705288	Hs.104461	Hs.24970	ESTs, Weakly similar to rab- related GTP-binding protein [H.sapiens]	3381.453
GF201	418400	W92798	Hs.20260	Hs.269181	ESTs	3378.747
GF201	322696	W15500	Hs.44367	Hs.44367	ESTs	3377.14
GF202	39574	R51886	Hs.62576	Hs.62576	KIAA1240 protein	3376.016
					KIAA1240	1.35655103
GF200	179403	H50500	Hs.75183	Hs.75183	cytochrome P450, subfamily I1E (ethanol-inducible)	3372.438
GF203	687363	AA235104	Hs.66147	Hs.66147	CYP2E	3371.893
GF200	205185	H59861	Hs.2030	Hs.2030	ESTs	3366.997
					thrombomodulin	1.11995877
GF203	448379	AA778206	Hs.7231	Hs.278378	karyopherin beta 2b, transportin	3366.62
GF202	40827	R55757	Hs.26457	Hs.26457	TRN2	-2.2237235
GF201	45801	H09332	Hs.14763	Hs.14763	EST	3366.555
GF203	397360	AA701126	Hs.72087	Hs.72087	ESTs	3365.495
GF201	782537	AA448484	Hs.8154	Hs.8154	ESTs	3364.935
					ESTs	3364.679
					ESTs, Weakly similar to !!!! ALU SUBFAMILY J	
GF202	511806	AA088430	Hs.63037	Hs.185848	WARNING ENTRY !!!! [H.sapiens]	3364.223
					heparan sulfate proteoglycan 2	1.52514509
GF201	770059	AA427561	Hs.75578	Hs.211573	(perlecan)	3364.057
GF200	235026	H73304	Hs.39474	Hs.39474	ESTs	3359.543
GF203	897874	AA598635	Hs.103262	Hs.103262	ESTs	3358.753
					HSPG2	1.41436934
						2.91526598
GF203	392622	AA708298	Hs.25	Hs.25	ATP synthase, H+	3358.115
GF201	745138	AA626698	Hs.7616	Hs.98102	transporting, mitochondrial F1 complex, beta polypeptide	3357.559
GF204	1631829	A1004187	Hs.9196	Hs.9196	tubulin, alpha 2	3352.94
					hypothetical protein	
					ESTs, Weakly similar to similar to zinc metalloprotease family of peptidases	
GF201	758301	AA404341	Hs.13056	Hs.13056	[C.elegans]	3352.888
GF200	199327	R95916	Hs.34431	Hs.268841	ESTs	3350.713
						1.34715028

## APPENDIX A

GF201	884719	AA629567	Hs.103424	Hs.180414	heat shock 70kD protein 10 (HSC71)	HSPA10	3348.385	
GF200	50413	H17975	Hs.14636	Hs.171900	armadillo repeat gene deletes		3347.491	1.11395833
GF203	712206	AA280284	Hs.88745	Hs.46670	in velocardiiofacial syndrome	ARVCF	3346.737	1.04748415
GF202	281952	N51079	Hs.47193	Hs.47193	ESTs		3344.645	1.42575494
GF202	730146	AA412477	Hs.98142	Hs.98142	ESTs		3343.159	1.59845765
GF202	357190	W93544	Hs.107309	Hs.183684	eukaryotic translation initiation factor 4 gamma, 2	EIF4G2	3342.449	1.01133361
GF204	1624497	AI004349	Hs.120749	Hs.120749	ESTs		3341.053	
GF203	785795	AA449754	Hs.15929	Hs.15929	ESTs, Weakly similar to F31D4.2 [C.elegans]		3339.92	-1.142895
GF200	295873	N73510	Hs.50284	Hs.50284	EST		3335.355	1.24180972
GF203	878578	AA775241	Hs.75181	Hs.273415	aldolase A, fructose-bisphosphate	ALDOA	3332.345	1.41090429
GF203	1387760	AA838691	Hs.89649	Hs.89649	epoxide hydrolase 1, microsomal (xenobiotic)	EPHX1	3332.004	-1.110606
GF202	358800	W94363	Hs.59529	Hs.59529	ESTs		3330.725	1.51541072
GF202	270134	N27933	Hs.109024	Hs.26434	Homo sapiens cDNA FLJ20360 fis, clone HEP16677		3329.231	1.32652664
GF200	243537	N49789	Hs.108790	Hs.108790	ESTs		3328.394	-1.1334599
GF203	825742	AA504845	Hs.91139	Hs.91139	solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	SLC1A1	3325.615	1.06874864
GF203	1239840	AA705966	Hs.119943	Hs.77876	Human DNA from chromosome 19-specific cosmid R30923, genomic sequence		3325.031	-1.0348114
GF204	1456155	AA862473	Hs.21974	Hs.21974	ESTs, Moderately similar to mBOCT [M.musculus]		3323.861	
GF201	429499	AA011480	Hs.108243	Hs.154701	ESTs		3323.172	
GF203	190256	H29858	Hs.126639	Hs.126639	ESTs		3322.388	-1.1518146
GF202	72063	T52375	Hs.9432	Hs.230568	EST		3320.906	1.08725599
GF200	122161	T98458	Hs.18394	Hs.268651	ESTs		3319.091	1.30956286

## APPENDIX A

GF200	795827	AA461506	Hs.79358	testis-specific kinase 1 cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4) ribosomal protein L37 ESTs, Weakly similar to !!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!! [H.sapiens] a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif, 3 KIAA0781 protein ESTs aconitase 2, mitochondrial nuclear receptor subfamily 4, group A, member 1 karyopherin beta 2b, transportin EST autocrine motility factor receptor periodontal ligament fibroblast protein ESTs ribosomal protein L10a ESTs	TESK1	3319.075	1.07029354
GF203	1161155	AA877595	Hs.1174		CDKN2A	3317.852	1.781059
GF201	344975	W73010	Hs.179779		RPL37	3317.71	
GF203	289653	N59885	Hs.113660			3316.609	-1.3212281
GF200	727026	AA402760	Hs.27916		ADAMTS3	3316.462	1.34873864
GF201	322860	W44933	Hs.106423		KIAA0781	3315.68	
GF203	754002	AA479972	Hs.85591		ESTs	3315.559	-1.2967679
GF200	262932	H99699	Hs.75900		ACO2	3315.13	1.11012697
GF201	309893	N94487	Hs.1119		NR4A1	3313.153	
GF201	127860	R08897	Hs.20180		TRN2	3311.187	
GF202	282327	N51964	Hs.47382			3310.132	-1.0181254
GF200	753897	AA479243	Hs.80731		AMFR	3306.698	1.12242738
GF203	823954	AA490843	Hs.7101		PDL-108	3305.951	-1.0851944
GF203	273425	N33195	Hs.42722		ESTs	3305.285	1.22327101
GF200	124824	R01139	Hs.76067		RPL10A	3304.749	1.27867328
GF204	757255	AA426091	Hs.98453		ESTs	3303.961	
GF200	840404	AA485653	Hs.94246	mannosyl (alpha-1,6)- glycoprotein beta-1,2-N- acetylglucosaminyltransferase	MGAT2	3303.711	1.0856298
GF200	840404	AA485653	Hs.36573	mannosyl (alpha-1,6)- glycoprotein beta-1,2-N- acetylglucosaminyltransferase	MGAT2	3303.711	1.0856298

APPENDIX A

GF202	593780	AA159729	Hs.72350	Hs.252124	ESTs		3303.325	2.06258644
GF203	796643	AA461473	Hs.10977	Hs.5025	nebulin	NEBL	3303.318	1.34015178
GF202	594633	AA171613	Hs.5338	Hs.5338	carbonic anhydrase XII	CA12	3303.121	-1.1063293
GF201	810008	AA454867	Hs.15869	Hs.165662	KIAA0675 gene product	KIAA0675	3303.114	
					natural killer cell receptor,			
					immunoglobulin superfamily			
GF202	797055	AA463248	Hs.81743	Hs.81743	member	BY55	3302.986	-1.2287644
					ESTs, Moderately similar to !!!!			
					ALU SUBFAMILY SX			
					WARNING ENTRY !!!!			
GF203	413120	AA707819	Hs.124885	Hs.241160	[H.sapiens]		3302.217	-1.8312836
GF202	290251	N62275	Hs.48503	Hs.48503	EST		3302.069	1.18691253
					heterogeneous nuclear protein			
					similar to rat helix destabilizing			
GF201	757144	AA496097	Hs.83267	Hs.249247	protein	FBRNP	3300.75	
					Homo sapiens mRNA; cDNA			
GF201	50671	H16801	Hs.5354	Hs.5354	DKFZp434N0317 (from clone		3299.892	
					DKFZp434N0317)			
GF200	795330	AA453202	Hs.724	Hs.276916	nuclear receptor subfamily 1,	NR1D1	3298.534	1.08378115
					group D, member 1			
					Homo sapiens cDNA			
					FLJ10099 fis, clone			
GF200	244202	N52973	Hs.100069	Hs.278619	HEMBA1002462		3296.982	-1.9432978
GF201	308747	N93255	Hs.101451	Hs.128754	ESTs		3293.175	
					Homo sapiens mRNA; cDNA			
					DKFZp564A186 (from clone			
GF201	810795	AA458876	Hs.104916	Hs.104916	DKFZp564A186)		3289.429	1.15689486
GF203	134168	R30956	Hs.52308	Hs.268689	ESTs		3289.199	
					polymerase (DNA directed),			
GF202	786078	AA448664	Hs.99185	Hs.99185	epsilon 2	POLE2	3289.159	1.57871738
GF201	196070	R89374	Hs.17842	Hs.275040	ESTs		3289.048	
					Homo sapiens hepatic			
					angiopoietin-related protein			
					(ANGPTL2) mRNA, complete			
GF200	310356	W30988	Hs.9613	Hs.9613	cds		3287.528	1.12487167
GF201	322695	W15386	Hs.13278	Hs.26750	ESTs		3283.619	

APPENDIX A

GF200	66952	T69522	Hs.90844	Hs.13128	zinc finger protein 205	ZNF205	3281.29	1.11046679
GF201	855910	AA630328	Hs.621	Hs.621	lectin, galactoside-binding, soluble, 3 (galectin 3)	LGALS3	3280.751	
GF203	290101	N63261	Hs.24906	Hs.24906	ESTs		3279.815	2.15640825
GF203	826074	AA521395	Hs.46601	Hs.46601	ESTs		3278.515	-1.7481625
GF200	323506	W45690	Hs.75708	Hs.66151	mitogen-activated protein kinase 1	MAPK1	3277.634	1.43367904
GF200	323506	W45690	Hs.66151	Hs.66151	mitogen-activated protein kinase 1	MAPK1	3277.634	1.43367904
GF201	282433	N52018	Hs.29926	Hs.105636	ESTs		3274.803	
GF204	447249	AA700972	Hs.48670	Hs.25817	Homo sapiens cDNA		3273.307	
GF204	111348	T85161	Hs.13621	Hs.193620	FLJ20386 fis, clone KAIA4184		3269.065	
GF204	858183	AA633873	Hs.11056	Hs.11056	ESTs			
					Homo sapiens mRNA; cDNA			
GF204	1033363	AA621402	Hs.119348	Hs.77910	DKFZp564E193 (from clone DKFZp564E193)		3268.377	
					3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)			
GF204	293191	N91677	Hs.7187	Hs.7187	Coenzyme A synthase 1 (soluble)	HMGCS1	3267.77	
					Homo sapiens cDNA			
GF200	840686	AA488064	Hs.12142	Hs.12142	FLJ10707 fis, clone NT2RP3000859		3266.33	1.18208943
GF202	194282	H50724	Hs.48479	Hs.161762	Homo sapiens cDNA			
GF203	725672	AA394130	Hs.114416	Hs.114416	FLJ20563 fis, clone KAT12009		3266.293	1.08805166
GF200	111634	T90991	Hs.100662	Hs.238303	ESTs		3260.932	2.14617741
GF200	140792	R67081	Hs.28700	Hs.28700	transducin (beta)-like 3	TBL3	3258.563	-1.1326078
GF202	743578	AA609458	Hs.98265	Hs.98265	EST		3257.44	-1.2221247
					ESTs		3256.551	-1.0324942
					ESTs		3256.227	1.21617406
GF201	809634	AA458498	Hs.97278	Hs.207933	ESTs, Weakly similar to			
GF201	856354	AA630734	Hs.4888	Hs.4888	ATPase II [H.sapiens]		3254.761	
GF200	111200	T84381	Hs.15555	Hs.177502	seryl-tRNA synthetase	SARS	3254.672	
GF202	376435	AA039713	Hs.110406	Hs.110406	ESTs		3251.552	1.60527622
					ESTs		3251.054	1.18241751

APPENDIX A

GF203	150058	H00982	Hs.96513	ESTs	3248.502	1.04602844
GF203	701778	AA292659	Hs.93667	ESTs	3247.142	-1.0327286
GF200	357046	W93472	Hs.1323	cyclic nucleotide gated channel alpha 1	3246.669	1.14331569
GF201	325024	AA284236	Hs.93379	eukaryotic translation initiation factor 4B	3245.952	
GF200	210548	H65052	Hs.37926	coagulation factor II (thrombin) F2	3244.669	-1.0794437
GF202	731319	AA416770	Hs.98255	EST	3241.063	1.1076918
GF201	195547	R89225	Hs.107827	ESTs	3236.24	
GF204	1460375	AA883597	Hs.15019	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0487	3235.804	
GF202	744647	AA621315	Hs.58488	catenin (cadherin-associated protein), alpha-like 1	3235.541	1.29050619
GF201	343867	W69954	Hs.76364	allograft inflammatory factor 1	3235.241	
GF201	129766	R12785	Hs.21160	ESTs	3232.104	
GF203	753034	AA436459	Hs.35841	nuclear factor I/X (CCAAT-binding transcription factor)	3231.83	1.14417931
GF201	285344	N66336	Hs.7360	ESTs	3227.837	
GF203	37665	R61374	Hs.26878	hair/enhancer-of-split related with YRPW motif 1	3227.758	1.03945775
GF203	38833	R50775	Hs.21992	KIAA0689 protein	3226.394	1.13923968
GF202	40010	R54036	Hs.106027	Homo sapiens clone 24758 mRNA sequence	3226.08	-1.0020731
GF201	324345	W47585	Hs.44074	ESTs, Highly similar to KIAA0810 protein [H.sapiens]	3225.08	
GF201	429353	AA007522	Hs.15726	ESTs	3221.849	
GF204	234985	H79123	Hs.53454	ESTs	3221.535	
GF203	383999	AA702623	Hs.114131	EST	3220.562	-1.103613
GF201	53092	R15785	Hs.110	putative L-type neutral amino acid transporter	3217.687	KIAA0436
GF201	501981	AA128561	Hs.41071	collagen, type XVII, alpha 1	3217.324	COL17A1
GF201	284479	N52350	Hs.3843	dual specificity phosphatase 7	3215.064	DUSP7

APPENDIX A

GF201	120678	T95650	Hs.17646	Hs.17646	ESTs	3213.34	
GF202	754008	AA478965	Hs.64084	Hs.173043	metastasis-associated 1-like 1	3212.543	1.59685286
GF201	810621	AA464744	Hs.105061	Hs.105061	KIAA1111 protein	3211.366	
GF200	66407	T66956	Hs.64946	Hs.5807	hypothetical protein	3208.65	1.13019892
GF201	52191	H24355	Hs.28255	Hs.28255	ESTs	3206.931	
GF200	135791	R33355	Hs.100507	Hs.10086	Fn14 for type I	3206.702	-1.1823054
GF204	1505893	AA907721	Hs.128610	Hs.128610	transmembrane protein	3205.978	
GF202	359836	AA011211	Hs.110250	Hs.268561	translocase of inner		
GF202	772470	AA405588	Hs.110352	Hs.174038	mitochondrial membrane 8	3202.167	1.09417402
GF202	757190	AA443958	Hs.90960	Hs.90960	(yeast) homolog B	3201.875	-1.1296217
GF201	82869	T69270	Hs.11805	Hs.11805	ESTs	3201.11	1.11041426
GF201	345232	W72329	Hs.36	Hs.36	ESTs	3199.97	
					lymphotoxin alpha (TNF		
					superfamily, member 1)		
					LTA	3197.229	
GF201	841624	AA487462	Hs.7537	Hs.179669	Homo sapiens cDNA	3195.079	
GF200	47043	H10721	Hs.9973	Hs.154138	FLJ20637 fis, clone KAT03212	3193.553	1.20504545
GF202	322447	W16425	Hs.55315	Hs.55315	chitinase 3-like 2	3193.365	1.20747772
					EST		
GF202	648047	AA207083	Hs.7576	Hs.7576	Homo sapiens cDNA	3190.91	1.71862406
GF200	142733	R71414	Hs.29160	Hs.271736	FLJ20061 fis, clone	3190.83	1.05784983
GF204	1055737	AA628146	Hs.118747	Hs.118747	COL01383	3190.12	
GF201	289107	N63623	Hs.44291	Hs.242271	ESTs	3189.76	
GF203	294591	N71061	Hs.109507	Hs.30376	KIAA0471 gene product	3189.432	1.04125491
GF204	502791	AA126914	Hs.16930	Hs.16930	hypothetical protein	3184.943	
					ESTs		
					interferon, alpha-inducible		
					protein (clone IFI-6-16)	3182.51	1.25240519
GF200	782513	AA432030	Hs.118288	Hs.265827	Homo sapiens clone 24466		
					mRNA sequence	3182.506	
GF201	46740	H10068	Hs.25924	Hs.25924	DKFZP586H0723 protein	3180.743	1.25216613
GF200	321189	W53016	RG.38	Hs.156764	DKFZP586H0723		

Westbrook et al.

Atty Docket No. 21726/92526

702020" 86446860

# APPENDIX A

GF202	786609	AA478481	Hs.16869	Hs.16869	ESTs, Moderately similar to COLLAGEN ALPHA 1(XII) CHAIN [R.norvegicus] ESTs	3178.36	-1.1715679
GF203	768470	AA495952	Hs.24895	Hs.24895	phosphoinositide-3-kinase, class 2, beta polypeptide proline-rich Gla (G-carboxyglutamic acid) polypeptide 2	3178.054	1.10175609
GF203	461327	AA699876	Hs.101238	Hs.132463	eukaryotic translation initiation factor 3, subunit 2 (beta, 36kD)	3178.035	1.21366747
GF201	770074	AA430552	Hs.35101	Hs.35101	signal transducer and activator of transcription 5B	3176.395	
GF203	1486109	AA936783	Hs.89996	Hs.192023	ESTs	3176.284	1.15583322
GF200	712840	AA282023	Hs.2287	Hs.244613	ESTs, Moderately similar to pIL2 hypothetical protein [R.norvegicus]	3169.824	1.27753771
GF202	284681	N59474	Hs.54118	Hs.148504		3167.773	1.07353678
GF203	757462	AA437236	Hs.5243	Hs.5243		3167.738	-1.1402243
GF203	454503	AA677362	Hs.16667	Hs.16667	ESTs, Weakly similar to weakly similar to gastrula zinc finger protein [C.elegans]	3166.086	1.06965021
GF202	840726	AA487846	Hs.47026	Hs.47026	ESTs	3164.49	1.26957349
GF200	130835	R22252	Hs.96125	Hs.96125	ESTs	3164.149	1.0301339
GF201	795606	AA460004	Hs.13885	Hs.13885	ESTs, Weakly similar to T09A5.6 [C.elegans]	3158.788	
GF200	235173	H73013	Hs.93338	Hs.93338	ESTs	3157.688	1.81988242
GF201	79726	T62552	Hs.11067	Hs.11067	ESTs, Moderately similar to K02E10.2 [C.elegans]	3156.603	
GF203	449257	AA777700	Hs.121963	Hs.121963	EST	3155.172	1.10554197
GF200	789069	AA452916	Hs.79234	Hs.102267	lysyl oxidase	3154.568	1.15397043
GF201	281489	N47972	Hs.46778	Hs.38772	RAB36, member RAS oncogene family	3154.432	
GF202	41940	R59087	Hs.106688	Hs.106688	chromosome X open reading frame 1	3153.177	-1.2707422
GF200	325365	W52273	Hs.54485	Hs.86489	ESTs	3150.284	1.04932761



## APPENDIX A

GF200	325365	W52273	Hs.86489	Hs.86489	ESTs	3150.284	1.04932761
GF200	206816	R98295	Hs.8520	Hs.170310	ESTs	3148.875	2.21255805
GF201	782622	AA447553	Hs.99115	Hs.99115	Homo sapiens cDNA	3148.48	
GF200	275180	R84893	Hs.77479	Hs.110613	FLJ20689 fis, clone KAIA2890	3147.721	1.34216864
GF200	73268	T56021	Hs.85101	Hs.5057	KIAA0220 protein	3147.347	1.28003402
GF201	795754	AA460302	Hs.26941	Hs.172506	carboxypeptidase D	3145.879	
					myosin VB		
					Homo sapiens clone		
GF201	810093	AA464965	Hs.61810	Hs.178207	DT1P1A10 mRNA, CAG	3141.188	
					repeat region		
					glutamate receptor,		
					metabotropic 3		
GF201	878838	AA670430	Hs.3786	Hs.3786	GRM3	3140.422	1.37614388
GF202	305408	N95073	Hs.102935	Hs.102935	EST	3140.114	1.73891745
GF202	35758	R45358	Hs.6591	Hs.6591	ESTs	3139.099	-1.7015876
GF203	435056	AA701434	Hs.48926	Hs.48926	ESTs	3136.657	2.06181916
GF203	395409	AA757414	Hs.119945	Hs.119945	ESTs	3134.128	
GF201	428952	AA004903	Hs.22539	Hs.180187	ESTs	3134.087	
					phorbol-12-myristate-13-		
GF201	814353	AA458838	Hs.96	Hs.96	acetate-induced protein 1	3132.649	
GF201	809960	AA454827	Hs.62707	Hs.25615	YDD19 protein	3132.078	
GF202	784142	AA432081	Hs.53126	Hs.53126	ESTs	3131.23	1.07277256
					major histocompatibility		
GF201	855547	AA664195	Hs.114210	Hs.180255	complex, class II, DR beta 1	3127.109	
					M-phase phosphoprotein		
GF204	487850	AA045458	Hs.37946	Hs.173518	homolog	3126.964	
					GAP-associated tyrosine		
GF204	1606780	AA995783	Hs.119537	Hs.119537	phosphoprotein p62 (Sam68)	3124.03	
					ESTs, Weakly similar to		
GF200	144926	R78514	Hs.110695	Hs.110695	B0495.6 [C.elegans]	3120.387	1.08275696
GF201	365877	AA025662	Hs.103001	Hs.183767	ESTs	3119.045	
GF203	139586	R64103	Hs.129871	Hs.129871	ESTs	3118.781	-2.2199454
GF202	842847	AA486288	Hs.17969	Hs.17969	KIAA0663 gene product	3118.574	2.09865497
GF201	52303	H23137	Hs.30484	Hs.30484	ESTs	3118.408	
GF203	1492258	AA875953	Hs.105850	Hs.105850	KIAA0404 protein	3117.636	-1.1616457
GF203	814350	AA458827	Hs.29390	Hs.29390	ESTs	3115.311	1.9394552

APPENDIX A

GF200	363058	AA019316	Hs.32790	Hs.199250	chloride channel 4	CLCN4	3114.935	-1.0211104
GF203	824764	AA489050	Hs.66450	Hs.66450	ESTs		3113.649	1.15619853
GF202	213635	H72113	Hs.108360	Hs.85289	CD34 antigen	CD34	3113.025	2.10720247
GF200	112576	T86027	Hs.7900	Hs.25615	YDD19 protein	YDD19	3107.562	1.29807106
					ESTs, Weakly similar to unknown protein			
GF204	255777	N27758	Hs.43993	Hs.192265	[R.norvegicus]		3106.253	
GF203	450131	AA703440	Hs.16933	Hs.16933	HepA-related protein	HARP	3103.157	-1.0339105
GF201	269820	N27154	Hs.43894	Hs.43894	ESTs		3102.468	
GF204	448667	AA777372	Hs.122499	Hs.191223	ESTs		3101.337	
GF201	220608	H87770	Hs.28662	Hs.153800	ESTs		3100.738	
GF203	127549	R08891	Hs.113304	Hs.155829	KIAA0676 protein	KIAA0676	3100.674	1.50811414
GF200	266361	N26562	Hs.67555	Hs.154069	melan-A	MLANA	3099.143	1.21273046
					Lutheran blood group			
GF200	160656	H24954	Hs.119481	Hs.155048	(Auberger b antigen included)	LU	3098.76	-1.3328249
GF203	824557	AA490924	Hs.71846	Hs.153121	KIAA0685 gene product	KIAA0685	3096.946	-1.1686022
GF201	323950	W46415	Hs.55946	Hs.244542	SHB adaptor protein (a Src			
GF200	293510	N69574	Hs.93012	Hs.205260	homology 2 protein)	SHB	3096.505	
					ESTs		3093.755	1.77891622
					insulin-like growth factor			
GF203	788617	AA449821	Hs.104571	Hs.77326	binding protein 3	IGFBP3	3086.041	1.19714427
GF203	855610	AA664237	Hs.5307	Hs.5307	synaptopodin	KIAA1029	3086.028	-1.5465553
GF202	773464	AA427858	Hs.98534	Hs.98534	EST		3085.344	1.38263634
					DEAD/H (Asp-Glu-Ala-			
					Asp/His) box polypeptide 5			
GF202	796126	AA460957	Hs.50131	Hs.76053	(RNA helicase, 68kD)	DDX5	3084.627	1.32925173
GF201	454771	AA677287	Hs.107	Hs.107	fibrinogen-like 1	FGL1	3083.58	
					Homo sapiens cDNA			
GF203	824911	AA489022	Hs.5080	Hs.5080	FLJ20484 fis, clone KAT07770		3081.652	1.03291783
GF203	449513	AA777940	Hs.121999	Hs.121999	EST		3080.757	-1.0946235
GF201	327425	W02227	Hs.55256	Hs.55256	ESTs		3078.96	
GF203	140299	R66923	Hs.101489	Hs.270231	ESTs		3071.94	-2.1186654
					MYC-associated zinc finger			
					protein (purine-binding			
					transcription factor)	MAZ		
GF203	450777	AA704613	Hs.7647	Hs.7647			3071.899	-1.2698188

APPENDIX A

GF202	212784	H69691	Hs.38900	Hs.48604	DKFZP434B168 protein	DKFZP434B168	3070.792	-1.0415365
GF202	262968	H99722	Hs.42721	Hs.42721	ESTs		3070.541	1.3729304
GF204	1466529	AA885126	Hs.125738	Hs.22151	Homo sapiens mRNA for KIAA1226 protein, partial cds		3068.548	
GF204	280039	N56925	Hs.7459	Hs.7459	ESTs		3067.785	
GF201	724831	AA291513	Hs.16269	Hs.16269	B-cell CLL/lymphoma 7B	BCL7B	3067.409	
GF203	38804	R49117	Hs.25068	Hs.25068	ESTs		3067.098	1.1000696
GF203	396880	AA758268	Hs.121308	Hs.121308	EST		3066.428	-1.2396123
GF201	110903	T90446	Hs.51732	Hs.269436	ESTs		3062.931	
GF204	1589958	AA977282	Hs.128834	Hs.166357	ESTs, Highly similar to F19541_1 [H.sapiens]		3062.009	
GF202	796090	AA460369	Hs.87327	Hs.87327	ESTs		3061.117	1.69902677
GF201	771089	AA428058	Hs.112342	Hs.661	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7 (18kD, B18)	NDUFB7	3060.916	
GF203	344720	W74668	Hs.81994	Hs.81994	glycophorin C (Gerbich blood group)		3060.511	1.57712814
GF203	787860	AA452140	Hs.45057	Hs.45057	ESTs	GYPC	3059.634	-1.1216547
GF201	270376	N29465	Hs.43720	Hs.239052	ESTs		3059.076	
GF203	449369	AA777428	Hs.121919	Hs.121919	EST		3055.079	1.11412746
GF202	199362	R95689	Hs.35437	Hs.35437	ESTs, Moderately similar to MLN 62 protein [H.sapiens]		3054.011	-1.3020146
GF204	1605539	AA988345	Hs.89560	Hs.89560	iduronidase, alpha-L-	IDUA	3052.898	
GF201	297021	N70411	Hs.81010	Hs.138517	ESTs		3051.481	
GF201	325383	W52190	Hs.55069	Hs.55069	neurexophilin 3	NXPH3	3050.936	
GF201	243159	H94471	Hs.93518	Hs.171952	occludin	OCLN	3044.06	
					Homo sapiens cDNA FLJ11271 fis, clone PLACE1009319, moderately similar to Rattus norvegicus outer membrane protein			
GF204	1492285	AA888224	Hs.109654	Hs.109654	mRNA		3042.267	
GF203	384140	AA702195	Hs.66960	Hs.66960	ESTs		3040.609	1.88870383
GF201	343695	W69170	Hs.83475	Hs.16617	ESTs		3039.031	
GF200	207881	H60317	Hs.37832	Hs.260657	ESTs		3036.286	-1.2435181
GF201	340642	W56753	Hs.57668	Hs.182585	ESTs		3035.109	

## APPENDIX A

GF200	243343	N38959	Hs.6456	Hs.6456	chaperonin containing TCP1, subunit 2 (beta)	CCT2	3033.01	1.52607079
GF201	489662	AA099372	Hs.1564	Hs.151791	KIAA0092 gene product	KIAA0092	3031.968	
GF202	329059	W43028	Hs.109875	Hs.274428	TRF2-interacting telomeric RAP1 protein	RAP1	3027.348	1.56566787
GF203	431668	AA680379	Hs.125121	Hs.221979	ESTs		3023.152	-1.5551049
GF200	153473	R48232	Hs.82001	Hs.82001	polycystic kidney disease 2 (autosomal dominant)	PKD2	3020.778	1.35202285
GF201	325150	AA284259	Hs.100632	Hs.137260	ESTs		3019.102	
GF203	432097	AA679306	Hs.117881	Hs.189866	ESTs		3017.686	1.54238643
GF200	295630	N68852	Hs.47501	Hs.47501	ESTs		3014.78	1.15960391
GF203	824132	AA490614	Hs.28166	Hs.28166	cofactor required for Sp1 transcriptional activation, subunit 8 (34kD)	CRSP8	3014.778	1.02368034
GF203	1055764	AA628232	Hs.106575	Hs.227391	DKFZP547E1010 protein	DKFZP547E1010	3014.596	-1.4188996
GF202	321253	AA037399	Hs.57653	Hs.57653	EST		3011.508	-1.1460358
GF202	489798	AA099819	Hs.110733	Hs.182982	golgin-67	KIAA0855	3011.287	1.72884519
GF200	48799	H14841	Hs.78854	Hs.78854	ATPase, Na+/K+ transporting, beta 2 polypeptide	ATP1B2	3011.208	1.45933187
GF201	321376	W32409	Hs.42304	Hs.25615	YDD19 protein	YDD19	3009.023	
GF204	884838	AA669357	Hs.114944	Hs.41641	ESTs, Weakly similar to CAGH4 [H.sapiens]		3008.939	
GF203	814084	AA465354	Hs.58714	Hs.58714	ESTs		3004.434	1.41183121
GF201	45728	H08428	Hs.30853	Hs.30853	ESTs		3002.7	
GF201	282978	N45138	Hs.82468	Hs.169300	transforming growth factor, beta 2	TGFB2	3002.323	
GF202	813738	AA453787	Hs.32935	Hs.32935	TATA box binding protein (TBP)-associated factor, RNA polymerase III, C, 90kD	TAF3C	3001.58	2.169285

APPENDIX A

GF203	951010	AA620415	Hs.76294	Hs.264190	Homo sapiens cDNA		
GF203	827152	AA521247	Hs.13845	Hs.13845	FLJ10752 fis, clone		
					NT2RP3004480, weakly similar to VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN		
					VPS35	3001.524	1.20924336
					ESTs	3000.831	1.30070635
					tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation		
					protein, epsilon polypeptide	2998.355	
GF201	266106	N21624	Hs.79474	Hs.79474	YWHAE		
GF202	839837	AA489826	Hs.105301	Hs.230664	EST	2995.995	1.38703697
GF202	322021	W37694	Hs.55561	Hs.55561	ESTs	2995.768	1.1472803
					Homo sapiens mRNA; cDNA		
					DKFZp564H203 (from clone		
					DKFZp564H203)		
GF203	132354	R27327	Hs.23828	Hs.8736	Homo sapiens cDNA	2995.445	-1.5488996
					FLJ10749 fis, clone		
					NT2RP3001915	2994.968	-1.2715238
GF203	825228	AA504130	Hs.24641	Hs.24641	KIAA0626 gene product	2993.418	1.28041518
GF200	124320	R02095	Hs.17555	Hs.178121	ESTs	2992.173	-1.9418067
GF202	346897	W78168	Hs.58429	Hs.58429	EST	2987.828	
GF204	449187	AA777607	Hs.121954	Hs.121954	ESTs	2986.651	
GF201	34321	R44949	Hs.22906	Hs.22906	ESTs	2986.041	-1.0067581
GF200	309685	W30810	Hs.49576	Hs.49576	ESTs	2985.906	-1.1197844
GF203	811975	AA456651	Hs.88249	Hs.190129	ESTs, Weakly similar to		
					centaurin beta2 [H.sapiens]	2985.586	1.15400308
GF202	730385	AA469961	Hs.4273	Hs.4273	putative nuclear protein	2985.449	-1.6159197
GF202	488390	AA046650	Hs.40342	Hs.40342	ESTs	2984.674	-1.1050706
GF203	269563	N24155	Hs.125830	Hs.125830	ESTs		
GF204	281829	N48096	Hs.12348	Hs.12348	ESTs	2984.648	

## APPENDIX A

GF202	24907	R37590	Hs.13385	Hs.143535	KIAA0968 protein; calcium/calmodulin-dependent protein kinase II alpha-B subunit; calmodulin-dependent protein kinase II alpha Homo sapiens mRNA; cDNA DKFZp564H1664 (from clone DKFZp564H1664) Homo sapiens mRNA; cDNA DKFZp586I0523 (from clone DKFZp586I0523) Homo sapiens cDNA FLJ10058 fis, clone HEMBA1001398 ESTs ESTs ESTs, Weakly similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens] EST Homo sapiens cDNA FLJ10439 fis, clone NT2RP1000688 Homo sapiens cDNA FLJ11189 fis, clone PLACE1007547 ESTs, Moderately similar to neuronal-STOP protein [M.musculus] signal transducer and activator of transcription 5B ESTs DKFZP586I1023 protein ESTs	KIAA0968	2984.605	-1.1605851
GF202	252453	H87144	Hs.109201	Hs.109201			2983.471	1.17435585
GF200	202213	H52299	Hs.93127	Hs.93127			2982.194	1.02757066
GF202	1031377	AA609149	Hs.112653	Hs.179615			2981.978	-1.2967931
GF203	665542	AA195420	Hs.58229	Hs.185029			2981.676	-1.6130307
GF202	743236	AA400133	Hs.97777	Hs.199362			2981.346	1.0046564
GF201	178856	H49517	Hs.31775	Hs.268801			2976.083	
GF202	74512	T59014	Hs.10477	Hs.10477			2972.399	1.1469549
GF201	773324	AA425420	Hs.3487	Hs.3487			2966.767	
GF204	1034480	AA779722	Hs.122507	Hs.168095			2965.217	
GF201	490730	AA129861	Hs.48756	Hs.48756			2962.172	
GF200	712840	AA280647	Hs.15112	Hs.244613			2961.185	1.15847504
GF202	289402	N73807	Hs.50373	Hs.50373			2959.741	-1.0122046
GF201	300899	N80593	Hs.46497	Hs.111515			2958.151	
GF204	1292444	AA718915	Hs.121735	Hs.121735			2957.175	

102020" 8626860

APPENDIX A

GF202	272468	N33851	Hs.109088	Hs.4815	nudix (nucleoside diphosphate linked moiety X)-type motif 3	NUDT3	2955.795	-1.0486631
GF203	752903	AA481435	Hs.21186	Hs.110341	ESTs, Weakly similar to unknown [M.musculus]		2952.454	1.91354777
GF201	362718	AA018214	Hs.60843	Hs.60843	potassium voltage-gated channel, shaker-related subfamily, member 1 (episodic ataxia with myokymia)	KCNA1	2950.353	
GF202	768491	AA495982	Hs.32319	Hs.271614	ESTs, Highly similar to CGI-112 protein [H.sapiens]		2949.938	1.06945204
GF201	488303	AA085749	Hs.110690	Hs.153884	ATP binding protein associated with cell differentiation	APACD	2949.848	
GF201	324927	W49494	Hs.26951	Hs.26951	KIAA0375 gene product	KIAA0375	2949.012	
GF200	724378	AA250771	Hs.46328	Hs.46328	fucosyltransferase 2 (secretor status included)	FUT2	2948.681	2.35485113
GF201	121731	T98002	Hs.100720	Hs.180570	Homo sapiens chromosome 19, cosmid F22329		2944.304	
GF201	305809	N90051	Hs.108612	Hs.23862	ESTs		2943.321	
GF204	1472664	AA872348	Hs.106525	Hs.106525	ESTs		2942.938	
GF201	782635	AA447569	Hs.5556	Hs.5556	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1 (8kD, SDAP)	NDUFAB1	2941.038	
GF204	1536991	AA933888	Hs.7956	Hs.7956	ESTs		2939.755	
GF203	704320	AA279467	Hs.22246	Hs.22246	ESTs		2939.628	-1.1725771
GF203	289760	N62979	Hs.6382	Hs.6382	ESTs, Highly similar to KIAA0612 protein [H.sapiens]		2938.605	1.61969882
GF200	815816	AA485226	Hs.2062	Hs.2062	vitamin D (1,25-dihydroxyvitamin D3) receptor	VDR	2938.294	1.15042989
GF202	250699	H95989	Hs.11644	Hs.182885	ESTs, Weakly similar to M03F8.2 [C.elegans]		2938.089	-1.277283

APPENDIX A

GF204	1422447	AA827400	Hs.31621	Hs.164973	ESTs, Moderately similar to dJ1163J1.1 [H.sapiens]	2935.152	
GF203	53022	R15880	Hs.21745	Hs.21745	ESTs	2932.932	1.04292094
GF202	25355	R39926	Hs.21031	Hs.21031	ESTs	2929.337	1.14983685
GF202	742607	AA400389	Hs.97802	Hs.177983	ESTs	2929.024	1.03891464
GF204	1630942	AI018501	Hs.26089	Hs.268281	CGI-201 protein	2926.934	
GF202	782276	AA431738	Hs.98750	Hs.98750	EST	2926.73	1.06441796
GF201	325138	W49785	Hs.42741	Hs.82035	GAP-like protein	2926.388	
GF200	246792	N59482	Hs.36190	Hs.36190	ESTs	2922.638	1.01291146
GF200	202704	H53878	Hs.36781	Hs.268919	ESTs	2922.099	1.60290103
GF203	814485	AA459275	Hs.87556	Hs.185771	ESTs	2921.106	-1.3551502
GF200	758365	AA401267	Hs.8558	Hs.180669	conserved gene amplified in osteosarcoma	2920.354	-1.0121797
GF201	491460	AA150443	Hs.26194	Hs.26194	Homo sapiens cDNA		
GF202	48330	H14949	Hs.13423	Hs.13423	FLJ11296 fis, clone	2915.321	
GF200	810444	AA457114	Hs.75522	Hs.101382	PLACE1009731, weakly similar to AIG1 PROTEIN	2913.955	-1.1694781
GF201	342108	W60326	Hs.103136	Hs.31638	Homo sapiens clone 24468 mRNA sequence	2911.959	1.23682021
GF202	795325	AA454177	Hs.99252	Hs.245257	tumor necrosis factor, alpha-induced protein 2		
GF201	742862	AA406180	Hs.50868	Hs.50868	restin (Reed-Steinberg cell-expressed intermediate filament-associated protein)	2910.83	
GF200	154015	R48796	Hs.51116	Hs.174103	ESTs	2910.323	-1.0070269
GF203	469151	AA027240	Hs.12163	Hs.12163	solute carrier family 22 (organic cation transporter), member 1-like		
GF202	302956	N91109	Hs.54681	Hs.54681	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	2909.66	
GF201	742862	AA406180	Hs.50868	Hs.50868	eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD)	2909.49	1.9900943
GF200	154015	R48796	Hs.51116	Hs.174103	ITGAL		
GF203	469151	AA027240	Hs.12163	Hs.12163	EIF2S2	2909.363	1.25057218
GF202	302956	N91109	Hs.54681	Hs.54681	ESTs	2907.353	1.4023985



APPENDIX A

GF203	280161	N47014	Hs.130206	Hs.270164	ESTs	2907.109	2.61622259
GF204	32832	R43073	Hs.12333	Hs.12333	ESTs	2905.943	
GF201	273546	N33274	Hs.118226	Hs.117950	multifunctional polypeptide similar to SAICAR synthetase and AIR carboxylase	2905.329	
GF201	345553	W73889	Hs.65424	Hs.65424	tetranectin (plasminogen-binding protein)	2905.258	
GF204	884567	AA629820	Hs.116747	Hs.203328	ESTs, Weakly similar to !!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!! [H.sapiens] Homo sapiens cDNA FLJ10103 fis, clone HEMBA1002495, weakly similar to LIGHT-MEDIATED DEVELOPMENT PROTEIN DET1 transcription factor 7 (T-cell specific, HMG-box)	2905.136	
GF201	301875	N92489	Hs.108758	Hs.42140		2904.316	
GF200	756272	AA480071	Hs.3002	Hs.169294	TCF7	2902.16	1.02810628
GF202	305581	N90238	Hs.64641	Hs.64641	ESTs, Weakly similar to cDNA EST CEMSA26F comes from this gene [C.elegans]	2900.978	1.27611379
GF202	51383	H22842	Hs.101770	Hs.101770	EST	2899.858	1.00829713
GF200	755054	AA482637	Hs.46459	Hs.159301	interleukin 18 receptor 1	2896.646	1.15382939
GF200	123255	R00275	Hs.4963	Hs.238126	ESTs, Highly similar to CGI-49 protein [H.sapiens] eukaryotic translation initiation factor 2B, subunit 1 (alpha, 26kD)	2894.9	1.15758379
GF201	256984	N26791	Hs.81945	Hs.78592	EIF2B1	2893.899	
GF201	884425	AA629692	Hs.1600	Hs.1600	chaperonin containing TCP1, subunit 5 (epsilon)	2893.224	
GF204	731256	AA416696	Hs.115437	Hs.115437	ESTs, Weakly similar to ORF YGR066c [S.cerevisiae]	2891.369	
GF202	376947	AA047704	Hs.103469	Hs.103469	ESTs	2890.5	1.67153149

## APPENDIX A

GF204	1635315	AI017405	Hs.30715	Hs.30715	ESTs		2889.826
GF201	289287	N73705	Hs.46726	Hs.180948	KIAA0729 protein	KIAA0729	2888.888
GF203	435663	AA701300	Hs.119741	Hs.186815	ESTs		2888.765
GF200	740914	AA478268	Hs.19686	Hs.239737	C-terminal binding protein 1	CTBP1	2885.238
GF200	740914	AA478268	Hs.110761	Hs.239737	C-terminal binding protein 1	CTBP1	2885.238
GF203	449409	AA777877	Hs.121932	Hs.121932	EST		2884.277
GF203	451902	AA706957	Hs.119980	Hs.192016	ESTs		2883.647
GF204	27916	R40920	Hs.21339	Hs.268710	ESTs		2880.908
GF200	244722	N52535	Hs.47507	Hs.191403	ESTs		2880.158
					ESTs, Highly similar to origin recognition complex subunit 6		
GF204	306318	N90667	Hs.49760	Hs.49760	[H.sapiens]		2879.92
GF202	566498	AA151945	Hs.72015	Hs.217942	ESTs		2877.454
					U4/U6-associated RNA		
GF204	773500	AA427927	Hs.11776	Hs.11776	splicing factor	HPRP3P	2877.259
					Homo sapiens mRNA full length insert cDNA clone		
GF202	278373	N64009	Hs.48909	Hs.124154	EUROIMAGE 381867		2875.923
					cytochrome P450, subfamily XIX (aromatization of androgens)		
GF204	133717	R27767	Hs.91321	Hs.79946	CYP19		2875.16
					Homo sapiens cDNA		
					FLJ20665 fis, clone KAI713, highly similar to AF151848		
					Homo sapiens CGI-90 protein mRNA		
GF201	809603	AA458483	Hs.44222	Hs.44222	ESTs		2874.642
GF203	161362	H25413	Hs.122953	Hs.122953	ESTs		2874.47
					ESTs, Weakly similar to KIAA0765 protein [H.sapiens]		
GF202	306568	N94814	Hs.109848	Hs.33540	tumorous imaginal discs (Drosophila) homolog	TID1	2870.712
GF202	594079	AA169872	Hs.6216	Hs.6216	EST		2866.545
GF203	449346	AA777915	Hs.121987	Hs.121987	E2F transcription factor 4, p107/p130-binding	E2F4	2866.409
GF200	786048	AA448641	Hs.108371	Hs.108371			2862.424
							1.23908907

APPENDIX A

GF200	786048	AA448641	Hs.79397	Hs.108371	E2F4	2862.424	1.23908907
GF200	138837	R62773	Hs.28357	Hs.144014	p107/p130-binding ESTs	2861.816	1.35503133
GF204	1055853	AA628207	Hs.97523	Hs.97523	ESTs	2860.875	
GF200	877613	AA488221	Hs.74617	Hs.74617	dynactin 1 (p150, Glued (Drosophila) homolog)	2860.27	1.17094848
GF202	796448	AA459983	Hs.78060	Hs.250666	hairy (Drosophila)-homolog	2859.91	1.60236732
GF204	1055427	AA626063	Hs.119280	Hs.119280	ESTs	2858.884	
GF201	194515	R86242	Hs.15640	Hs.38084	sulfotransferase family 1C, member 1	2858.03	
GF201	810065	AA455304	Hs.89143	Hs.89143	ESTs	2857.463	
GF201	34102	R44140	Hs.79100	Hs.172647	golgi autoantigen, golgin subfamily a, 1	2856.524	
GF201	41345	R58985	Hs.79303	Hs.13321	rearranged L-myc fusion sequence	2851.95	
GF201	289857	N63192	Hs.1892	Hs.229120	EST, Highly similar to PHENYLETHANOLAMINE N-METHYLTRANSFERASE [H.sapiens]	2846.696	
GF204	486035	AA040861	Hs.21293	Hs.21293	UDP-N-acteylglucosamine pyrophosphorylase 1; Sperm associated antigen 2	2845.671	
GF200	39808	R54050	Hs.6241	Hs.6241	phosphoinositide-3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	2845.22	1.14438141
GF204	470249	AA029098	Hs.9965	Hs.9965	ESTs	2844.962	
GF200	566887	AA132226	Hs.8123	Hs.278554	heterochromatin-like protein 1	2841.682	1.3246712
GF200	245970	N52293	Hs.32980	Hs.169998	bone marrow stromal cell antigen 1	2840.989	1.82718059
GF202	289816	N62178	Hs.48472	Hs.48472	EST	2839.872	1.20794832
GF204	731061	AA421477	Hs.131908	Hs.131908	ESTs	2838.067	
GF202	76647	T50995	Hs.51357	Hs.269043	ESTs	2834.819	1.80424448
GF200	781019	AA446301	Hs.75221	Hs.169857	paraoxonase 2	2834.425	1.09470945

APPENDIX A

GF203	461522	AA705237	Hs.105781	Hs.125856	ATP-binding cassette, sub-family B (MDR/TAP), member 7	ABCB7	2831.978	-1.1407032
GF201	292082	N73309	Hs.47106	Hs.28707	signal sequence receptor, gamma (translocon-			
GF201	51254	H18645	Hs.22509	Hs.22509	associated protein gamma) ESTs	SSR3	2827.482	
GF204	307029	N89671	Hs.118227	Hs.91379	ribosomal protein L26	RPL26	2825.561	
GF203	768214	AA424883	Hs.44035	Hs.44035	ESTs		2825.401	1.25814239
					ESTs, Weakly similar to !!!!		2824.485	
GF200	246073	N55563	Hs.79655	Hs.173734	ALU CLASS B WARNING		2822.888	1.34750393
GF202	626765	AA191318	Hs.51655	Hs.81170	ENTRY !!!! [H.sapiens]	PIM1	2821.415	-1.0533294
GF200	201288	R99562	Hs.36137	Hs.36137	pim-1 oncogene			
					hepatocyte nuclear factor 3, gamma	HNF3G	2821.104	1.34727552
GF201	384015	AA702640	Hs.475	Hs.150403	dopa decarboxylase (aromatic			
GF201	295986	N67038	Hs.75105	Hs.75105	L-amino acid decarboxylase)	DDC	2820.888	
					emopamil-binding protein			
					(sterol isomerase)	EBP	2819.911	
					Homo sapiens cDNA			
					FLJ10937 fis, clone			
					OVARC1001034, highly			
					similar to Mus musculus Fn54			
GF202	767469	AA418007	Hs.111974	Hs.168640	mRNA		2819.751	1.13161686
GF202	627555	AA192435	Hs.69428	Hs.69428	ESTs, Moderately similar to			
GF203	48687	H16098	Hs.101726	Hs.141075	KIAA0664 protein [H.sapiens]		2818.902	2.23655994
					EST		2818.789	1.27025061
GF202	951128	AA620546	Hs.63908	Hs.63908	heme oxygenase (decycling) 2	HMOX2	2818.314	1.96262104
GF200	295939	N67034	Hs.102765	Hs.75470	hypothetical protein,			
GF201	844680	AA670107	Hs.2014	Hs.2014	expressed in osteoblast	GS3686	2818.183	1.6694487
GF202	796774	AA443153	Hs.21259	Hs.21259	T cell receptor delta locus	TRD@	2815.965	
GF201	214982	H73234	Hs.1053	Hs.148101	ESTs		2815.941	1.25704104
					serum constituent protein	MSE55	2815.877	

APPENDIX A

GF200	23831	T77281	Hs.74618	Hs.155247	aldolase C, fructose- biphosphate	ALDOC	2815.313	-1.0500086
GF203	868548	AA775047	Hs.90313	Hs.249982	cathepsin B	CTSB	2807.479	1.43028305
GF200	66400	T66930	Hs.76592	Hs.129691	ESTs, Weakly similar to ZINC FINGER PROTEIN 132		2806.985	1.75058655
GF202	309406	N99049	Hs.55213	Hs.55213	[H.sapiens]		2805.892	1.1084423
GF202	122239	T98662	Hs.113029	Hs.113029	ESTs		2805.268	1.54662093
GF203	324885	W48701	Hs.75859	Hs.75859	ribosomal protein S25	RPS25		
					chromosome 11 open reading frame 4	C11ORF4	2803.42	-1.2720713
GF203	726725	AA398282	Hs.14051	Hs.14051	Homo sapiens mRNA; cDNA DKFZp434A2417 (from clone DKFZp434A2417); partial cds		2803.406	1.41143804
GF203	221694	H92639	Hs.41640	Hs.41640	ESTs, Weakly similar to !!! ALU SUBFAMILY SP WARNING ENTRY !!!!		2803.113	-1.2970412
GF200	788136	AA453293	Hs.188	Hs.188	[H.sapiens] phosphodiesterase 4B, cAMP- specific (dunce (Drosophila))- homolog phosphodiesterase E4)	PDE4B	2802.529	1.18276769
GF201	758332	AA404276	Hs.38687	Hs.164481	ESTs, Weakly similar to Shc binding protein [M.musculus]		2801.551	
GF204	366571	AA027168	Hs.10031	Hs.10031	KIAA0955 protein	KIAA0955	2798.948	
GF201	123811	R01448	Hs.108195	Hs.204970	ESTs		2796.212	
GF203	898318	AA598828	Hs.33417	Hs.33417	ESTs		2795.662	-1.2318796
GF201	324690	W47325	Hs.55864	Hs.40098	ESTs		2795.464	
GF203	397660	AA708280	Hs.67009	Hs.180136	ESTs		2793.907	1.03044791
GF201	257197	N30573	Hs.27181	Hs.27181	nuclear receptor binding factor- 2	NRBF-2	2792.393	
GF201	810979	AA459419	Hs.20776	Hs.20776	ESTs, Highly similar to CGI-91 protein [H.sapiens]		2786.844	
GF201	488435	AA047443	Hs.83289	Hs.180398	LIM domain-containing preferred translocation partner in lipoma	LPP	2783.134	
GF202	272616	N36130	Hs.44792	Hs.44792	ESTs		2781.82	-1.6265258

APPENDIX A

GF201	281145	N50959	Hs.94003	Hs.143102	amine oxidase, copper containing 2 (retina-specific) ESTs	AOC2	2781.383	
GF202	241343	H81188	Hs.114248	Hs.269571	ESTs		2779.705	-1.1003043
GF200	293178	N63864	Hs.38502	Hs.205554	ESTs		2778.375	1.77518848
					ESTs, Weakly similar to ubiquitous TPR motif, Y			
GF201	306216	N90564	Hs.24598	Hs.24598	isoform [H.sapiens]	KIAA0849	2776.906	
GF203	399387	AA732842	Hs.117838	Hs.18827	KIAA0849 protein		2776.193	1.10640475
GF201	320355	W04525	Hs.14627	Hs.14627	ESTs		2774.567	
GF201	771327	AA476245	Hs.21090	Hs.194692	cysteine desulfurase	NIFS	2774.389	
GF200	545189	AA076063	Hs.77497	Hs.182183	caldesmon 1	CALD1	2772.426	1.04932409
GF200	144880	R78580	Hs.107203	Hs.107203	ESTs		2771.442	-1.2869937
GF201	235104	H79319	Hs.108461	Hs.268997	ESTs		2770.208	
GF204	810534	AA464550	Hs.98269	Hs.98269	ESTs		2767.199	
GF202	786194	AA448685	Hs.127477	Hs.709	deoxycytidine kinase	DCK	2767.077	-1.0613245
					member of MYST family			
GF201	810118	AA464974	Hs.42343	Hs.42343	histone acetyl transferases,		2766.672	
GF201	309499	N99256	Hs.44850	Hs.114611	homolog of Drosophila MOF	MOF	2765.338	
GF201	782677	AA447587	Hs.32112	Hs.32112	ESTs		2764.893	
GF202	69893	T48649	Hs.8856	Hs.209465	ESTs		2764.663	-1.3398215
					solute carrier family 2 (facilitated glucose			
GF203	704085	AA279201	Hs.86633	Hs.33084	transporter), member 5	SLC2A5	2761.9	1.06286075
GF202	266336	N26546	Hs.114363	Hs.115617	corticotropin releasing	CRHBP	2761.707	-1.0805815
					hormone-binding protein			
					heterogeneous nuclear			
GF200	511586	AA127116	Hs.75071	Hs.249495	ribonucleoprotein A1	HNRPA1	2760.784	2.01009421
GF202	280266	N47952	Hs.102624	Hs.102624	EST		2760.384	1.75898116
GF202	33294	R43957	Hs.101186	Hs.101186	ESTs		2759.021	1.42594166
GF202	784010	AA443695	Hs.98769	Hs.234734	lysozyme (renal amyloidosis)	LYZ	2754.671	-1.0681288
GF200	824044	AA491206	Hs.78851	Hs.78851	KIAA0217 protein	KIAA0217	2754.665	1.2299278
GF200	824044	AA491206	Hs.119441	Hs.78851	KIAA0217 protein	KIAA0217	2754.665	1.2299278
					ESTs, Highly similar to CGI-19 protein [H.sapiens]		2754.141	
GF201	300044	N91539	Hs.109659	Hs.172085				

APPENDIX A

GF200	685912	AA262504	Hs.46925	Hs.46925	eyes absent (Drosophila) homolog 3	EYA3	2749.725	1.11468273
GF200	162208	H25917	Hs.83583	Hs.83583	actin related protein 2/3		2749.412	-1.0216975
GF203	43936	H05777	Hs.30569	Hs.171088	complex, subunit 2 (34 kD) ESTs	ARPC2	2748.211	-1.6229713
GF204	392678	AA708342	Hs.120109	Hs.273241	MYC promoter-binding protein 1	MPB1	2748.003	
					signal sequence receptor, gamma (translocon-			
GF203	742061	AA405190	Hs.119191	Hs.28707	associated protein gamma)	SSR3	2747.354	1.02819442
GF202	72745	T50661	Hs.9212	Hs.9212	ESTs		2744.425	-2.5577593
GF202	346055	W72098	Hs.58201	Hs.58201	ESTs		2744.4	1.98475204
GF200	949940	AA599178	Hs.76064	Hs.76064	ribosomal protein L27a	RPL27A	2741.363	1.30378619
GF202	1031158	AA609935	Hs.112789	Hs.112789	EST		2740.695	-1.6909574
GF201	773437	AA426019	Hs.83591	Hs.77965	Clk-associating RS-cyclophilin	CYP	2739.426	
GF204	392022	A1003724	Hs.130345	Hs.56276	ESTs		2739.416	
					Homo sapiens cDNA			
GF202	133895	R28669	Hs.121578	Hs.10784	FLJ20037 fis, clone		2739.166	1.58878058
GF202	1055261	AA621480	Hs.112993	Hs.112993	COL00314		2737.743	1.00720006
GF203	430527	AA676340	Hs.116982	Hs.187823	ESTs		2733.8	1.17941948
					bromodomain adjacent to zinc			
GF201	366041	AA074596	Hs.67665	Hs.194688	finger domain, 1B	BAZ1B	2731.222	
GF204	712512	AA278387	Hs.88703	Hs.221543	ESTs		2730.818	
					Homo sapiens mRNA; cDNA			
GF203	42747	R61847	Hs.26849	Hs.26849	DKFZp761A1623 (from clone		2730.563	1.07073197
GF201	505274	AA142980	Hs.24557	Hs.24557	DKFZp761A1623); partial cds		2730.389	
GF200	233550	H78365	Hs.81407	Hs.25615	DKFZP434H018 protein	DKFZP434H018	2729.724	2.04163868
GF201	299182	N70553	Hs.49889	Hs.49889	YDD19 protein	YDD19	2728.995	
					ESTs			
					dynein, cytoplasmic,			
GF202	39189	R54443	Hs.100222	Hs.65248	intermediate polypeptide 1	DNCH1	2722.345	1.25031374
					similar to Caenorhabditis			
GF203	298769	N74700	Hs.15194	Hs.15194	elegans protein C42C1.9	KEO4	2722.024	1.48796722
GF204	449198	AA777605	Hs.121953	Hs.121953	EST		2719.892	

APPENDIX A

GF202	1048714	AA620628	Hs.112358	Hs.186486	ESTs	2716.93	1.06210753
					Homo sapiens mRNA; cDNA		
					DKFZp586F071 (from clone		
					DKFZp586F071)		
GF202	41432	R56916	Hs.22907	Hs.22907	ESTs	2713.955	1.06164135
GF204	745471	AA625969	Hs.130513	Hs.130513	ESTs	2712.125	
GF203	704300	AA279431	Hs.87586	Hs.87586	ESTs	2712.112	1.12623506
GF200	209583	H97748	Hs.34314	Hs.34314	ESTs	2711.073	1.15707747
GF202	212441	H68380	Hs.57370	Hs.144174	EST	2710.217	-1.0715245
GF203	219888	H84657	Hs.27264	Hs.81170	pim-1 oncogene	2708.759	1.40729703
GF201	50329	H16974	Hs.13497	Hs.13497	hypothetical protein	2708.65	
GF204	235084	H79308	Hs.129253	Hs.25615	YDD19 protein	2708.581	
					Homo sapiens cDNA		
					FLJ20079 fis, clone		
GF200	201301	R99573	Hs.11248	Hs.165948	COL03057	2708.257	1.46391242
GF204	745217	AA626878	Hs.118944	Hs.118944	ESTs	2707.834	
GF203	815276	AA481531	Hs.9877	Hs.9877	hypothetical protein	2706.626	-2.1868306
GF200	111004	T90374	Hs.15162	Hs.178471	KIAA0798 gene product	2706.464	2.4208232
					Kell blood group precursor		
GF201	51599	H18932	Hs.78919	Hs.78919	(McLeod phenotype)	2705.869	
GF202	233644	H78999	Hs.114242	Hs.203691	ESTs	2703.394	1.71067647
GF203	263716	H99676	Hs.108885	Hs.108885	collagen, type VI, alpha 1	2701.282	1.69204278
					ESTs, Weakly similar to		
					INTERLEUKIN-17		
GF202	783987	AA443286	Hs.110040	Hs.110040	PRECURSOR [H.sapiens]	2700.202	-1.336592
GF202	51542	H20757	Hs.31771	Hs.31771	EST	2699.891	-1.7418516
GF200	111510	T90794	Hs.15246	Hs.15246	EST	2699.54	1.18764829
					ESTs, Weakly similar to !!!		
					ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
GF200	108797	T77891	Hs.113141	Hs.191207	[H.sapiens]	2699.075	1.34544265
GF202	841393	AA487550	Hs.64056	Hs.64056	ESTs	2698.257	-1.2221206
					NADH dehydrogenase		
					(ubiquinone) 1 alpha		
GF201	743081	AA405901	Hs.77162	Hs.198269	subcomplex, 3 (9kD, B9)	2696.213	
GF202	285443	N66393	Hs.102754	Hs.102754	ESTs	2695.522	1.80090402



APPENDIX A

GF201	773183	AA425682	Hs.6864	Hs.194534	vesicle-associated membrane protein 2 (synaptobrevin 2) ESTs, Weakly similar to stearyl-CoA desaturase [H.sapiens]	VAMP2	2695.169
GF202	267864	N25650	Hs.53800	Hs.247474	highly expressed in cancer, rich in leucine heptad repeats	HEC	2693.716
GF203	345787	W72679	Hs.58169	Hs.58169	ESTs		2693.072
GF202	1048792	AA621323	Hs.112971	Hs.112971	ESTs		2687.515
GF202	742774	AA400470	Hs.97805	Hs.97805	ESTs		2687.436
GF202	897722	AA598983	Hs.103582	Hs.15299	HMBA-inducible	HIS1	2687.405
GF202	129024	R10378	Hs.100812	Hs.107	fibrinogen-like 1	FGL1	2687.194
GF203	767078	AA424509	Hs.109594	Hs.227835	KIAA1049 protein	KIAA1049	2685.59
GF201	491403	AA150416	Hs.89521	Hs.256278	tumor necrosis factor receptor superfamily, member 1B	TNFRSF1B	2684.709
GF202	525478	AA065042	Hs.49932	Hs.49932	chromosome 21 open reading frame 45	C21ORF45	2684.519
GF202	770709	AA476305	Hs.4990	Hs.4990	KIAA1089 protein	KIAA1089	2683.356
GF204	111406	T84479	Hs.108914	Hs.269040	ESTs		2682.641
GF203	194987	R88748	Hs.34198	Hs.34198	ESTs		2681.52
GF200	45099	H05140	Hs.77854	Hs.77854	regucalcin (senescence marker protein-30)	RGN	2678.88
GF204	1461006	AA890104	Hs.120352	Hs.120352	ESTs		2678.46
GF200	841332	AA487634	Hs.83656	Hs.83656	Rho GDP dissociation inhibitor (GDI) beta	ARHGDI	2678.132
GF202	591157	AA161188	Hs.95583	Hs.95583	transmembrane 4 superfamily member (tetraspan NET-7)	NET-7	2677.908
GF203	279655	N48982	Hs.33266	Hs.33266	ESTs		2677.858
GF201	795282	AA454015	Hs.14203	Hs.181112	p36 TRAP/SMCC/PC2 subunit	LOC51757	2677.718
GF200	133820	R28649	Hs.12259	Hs.12259	KIAA0630 protein	KIAA0630	2676.965
GF203	449504	AA777928	Hs.121993	Hs.121993	EST, Weakly similar to predicted using Genefinder [C.elegans]		2675.835
							-1.1146842

APPENDIX A

GF204	859906	AA679487	Hs.117164	Hs.117164	EST Human clone CE29 8.1 (CAC)n/(GTG)n repeat- containing mRNA	2673.61	
GF201	770199	AA434112	Hs.83884	Hs.173421	ESTs	2669.545	-1.4830848
GF202	743270	AA400152	Hs.97314	Hs.193735	ESTs	2667.753	-1.3185456
GF203	712592	AA281926	Hs.87530	Hs.87530	cortistatin	2663.617	
GF201	283751	N50745	Hs.44205	Hs.44205	EST	2662.702	
GF200	48283	H11658	RG.58	Hs.92511	ESTs, Weakly similar to CLEAVAGE STIMULATION FACTOR, 64 KD SUBUNIT [H.sapiens]	2660.77	-1.0537544
GF202	788415	AA456437	Hs.20386	Hs.142838	YDD19 protein	2659.032	1.00099534
GF201	321900	W37447	Hs.42226	Hs.25615	EST	2658.55	
GF202	429439	AA007623	Hs.60242	Hs.60242	ESTs	2655.524	1.13179556
GF203	666029	AA193579	Hs.14947	Hs.14947	Homo sapiens mRNA; cDNA DKFZp434A1114 (from clone DKFZp434A1114)	2655.459	-1.5920948
GF201	80692	T57834	Hs.10175	Hs.10175	Homo sapiens mRNA; cDNA DKFZp434M0420 (from clone DKFZp434M0420)	2653.826	1.27638875
GF202	840584	AA487899	Hs.10920	Hs.273369	myxovirus (influenza) resistance 1, homolog of murine (interferon-inducible protein p78)	2652.299	1.06547301
GF200	815542	AA456886	Hs.76391	Hs.76391	EST	2651.457	1.76977465
GF202	281934	N51068	Hs.47188	Hs.47188	ESTs, Moderately similar to hypothetical protein [H.sapiens]	2649.375	
GF204	449376	AA777432	Hs.124910	Hs.190421	ESTs	2645.942	1.20260169
GF200	305227	W19461	Hs.102934	Hs.267844	ESTs	2645.62	-1.028567
GF203	682052	AA256378	Hs.72092	Hs.72092	ESTs	2645.225	
GF204	320396	W16834	Hs.55378	Hs.55378	Homo sapiens mRNA; cDNA DKFZp564C0716 (from clone DKFZp564C0716)	2643.336	1.14141071
GF203	1405214	AA843231	Hs.124132	Hs.180477	ESTs	2642.224	-1.0420076
GF202	731438	AA412212	Hs.44033	Hs.44033			

APPENDIX A

GF202	415417	W80404	Hs.58439	Hs.118795	ESTs ESTs, Highly similar to DYNEIN LIGHT CHAIN 1, CYTOPLASMIC [H.sapiens] tyrosine 3- monooxygenase/tryptophan 5- monooxygenase activation protein, zeta polypeptide ESTs heterogeneous nuclear ribonucleoprotein A/B ESTs ESTs ESTs ESTs, Moderately similar to vacuolar protein sorting homolog r-vps33b [R.norvegicus] ESTs BCL2-associated athanogene 4 ESTs EST microsomal glutathione S- transferase 3 ESTs ESTs ESTs chromatin assembly factor 1, subunit A (p150) ESTs, Moderately similar to !!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens]	2641.341	1.62963253
GF201	743190	AA401429	Hs.58044	Hs.58044		2638.769	
GF203	243238	H94670	Hs.114305	Hs.75103	YWHAZ	2632.993	-1.0070205
GF201	46287	H09620	Hs.23783	Hs.23783		2632.809	
GF202	345833	W72693	Hs.81361	Hs.81361	HNRPAB	2631.853	-1.2239853
GF204	1292628	AA719128	Hs.104834	Hs.104834		2630.273	
GF202	811844	AA463632	Hs.98992	Hs.98992		2629.22	-1.2606037
GF202	796671	AA461490	Hs.66072	Hs.66072		2628.04	-1.1100175
GF204	1591222	AA953644	Hs.26510	Hs.26510		2625.637	
GF202	626773	AA191322	Hs.68705	Hs.190785		2624.861	1.04150777
GF201	258454	N25897	Hs.7300	Hs.194726	BAG4	2624.799	
GF200	209264	H65569	Hs.18845	Hs.18845		2623.578	1.48100325
GF202	281786	N51761	Hs.47338	Hs.47338		2622.778	-1.5858973
GF204	124298	R02085	Hs.113145	Hs.111811	MGST3	2621.052	
GF201	321470	W32303	Hs.103008	Hs.103008		2619.579	
GF204	855735	AA663966	Hs.105398	Hs.155512		2619.523	
GF202	1030770	AA608977	Hs.112623	Hs.112623		2618.233	1.05474242
GF203	450711	AA704459	Hs.79018	Hs.79018	CHAF1A	2616.215	1.00656232
GF200	197093	R93412	Hs.35128	Hs.269019		2613.986	1.406104

APPENDIX A

GF202	809455	AA443099	Hs.102418	Hs.183435	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1 (7kD, MNLL)	NDUFB1	2613.631	-1.1371316
GF204	745289	AA625570	Hs.20142	Hs.20142	ESTs		2613.183	
GF202	257170	N30557	Hs.44192	Hs.177331	ESTs		2611.949	-1.1033986
GF202	488207	AA046430	Hs.112172	Hs.135150	lung type-I cell membrane-associated glycoprotein	T1A-2	2610.939	1.07911356
GF201	320712	W31675	Hs.12250	Hs.12250	ESTs		2608.402	
					Human DNA sequence from clone RP5-1046G13 on chromosome 6q12-13			
					Contains part of a gene similar to Rattus norvegicus rab3 effector (RIM), ESTs, STSs and GSSs			
GF202	287581	N62128	Hs.48462	Hs.129190	EST		2608.255	1.09566469
GF202	247110	N57865	Hs.48086	Hs.229641	EST		2606.269	-1.3672858
					U2 small nuclear ribonucleoprotein auxiliary factor (65kD)	U2AF65	2605.542	
GF201	742064	AA405748	Hs.7655	Hs.7655	ESTs		2605.45	
GF201	284463	N52340	Hs.39278	Hs.39278	ESTs		2604.548	
GF204	448110	AA702470	Hs.111899	Hs.178569	ESTs		2603.937	
GF201	290748	N71792	Hs.42512	Hs.269033	ESTs			
					Homo sapiens cDNA FLJ10862 fis, clone NT2RP4001574, highly similar to Homo sapiens coat protein gamma-cop mRNA		2602.895	-1.0750293
GF203	258167	N26390	Hs.102950	Hs.102950	Homo sapiens cDNA FLJ10252 fis, clone HEMBB1000807			
GF201	259344	N32876	Hs.42309	Hs.53913	ESTs		2601.709	
GF201	347516	W81410	Hs.94893	Hs.94893	ESTs		2601.203	
GF202	731422	AA412403	Hs.98127	Hs.98127	ESTs		2600.58	-1.2687666
					ESTs, Weakly similar to !!!			
					ALU SUBFAMILY SC			
					WARNING ENTRY !!!!			
					[H.sapiens]			
GF203	462680	AA705118	Hs.121020	Hs.271963			2599.044	-2.0993402

## APPENDIX A

GF203	280909	N50828	Hs.92942	Hs.12940	zinc-fingers and homeoboxes 1	ZHX1	2598.795	1.05810725
GF202	786302	AA451861	Hs.115537	Hs.115537	ESTs, Weakly similar to MICROSOMAL DIPEPTIDASE PRECURSOR [H.sapiens] Human transposon-like element mRNA desmoplakin (DPI, DPII) ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase) protein kinase (cAMP- dependent, catalytic) inhibitor alpha Homo sapiens cDNA FLJ20731 fis, clone HEP10272 KIAA0022 gene product advanced glycosylation end product-specific receptor Homo sapiens (clone p5-23-3) mRNA Homo sapiens mRNA; cDNA DKFZp586B0323 (from clone DKFZp586B0323) ESTs ESTs pim-1 oncogene histidine triad nucleotide- binding protein ESTs ESTs		2596.56	1.12379727
GF200	897670	AA496800	Hs.84775	Hs.84775			2596.405	1.15715564
GF203	270332	N29455	Hs.125172	Hs.74316		DSP	2593.289	1.08881251
GF201	878833	AA670438	Hs.76118	Hs.76118		UCHL1	2592.931	
GF203	284401	N52162	Hs.84403	Hs.75209		PKIA	2592.3	1.30687816
GF202	1033342	AA621381	Hs.111723	Hs.264636			2590.163	1.14509471
GF200	207989	H60460	Hs.2441	Hs.2441		KIAA0022	2589.6	1.19752504
GF201	346604	W74536	Hs.184	Hs.184		AGER	2588.798	
GF203	295818	N66948	Hs.115690	Hs.193384			2588.405	-1.3631617
GF203	825781	AA505116	Hs.107167	Hs.29417			2587.492	1.10505013
GF202	563592	AA101155	Hs.5887	Hs.124177			2586.756	1.5767826
GF204	24123	R37865	Hs.129935	Hs.170206			2586.522	
GF201	341083	W58563	Hs.23655	Hs.81170		PIM1	2586.342	
GF200	75415	T57556	Hs.43721	Hs.256697		HINT	2584.965	1.24903543
GF201	305554	N90217	Hs.44228	Hs.44228			2584.748	
GF202	346366	W74257	Hs.58364	Hs.159690			2584.076	-1.2515323
GF201	262739	H99479	Hs.43110	Hs.98069	Sec23-interacting protein p125 P125		2578.679	

APPENDIX A

GF200	772220	AA404394	Hs.76901	for protein disulfide isomerase-related	PDIR	2577.9	1.04052346
GF200	785574	AA449430	Hs.75283	sorting nexin 1	SNX1	2577.343	1.24083991
GF204	1292094	AA707582	Hs.188935	ESTs		2577.25	
				ESTs, Moderately similar to tumor necrosis factor-alpha-induced protein B12			
GF201	50566	H16796	Hs.271277	[H.sapiens]		2576.089	
				matrix metalloproteinase 9 (gelatinase B, 92kD)			
GF200	22040	T72581	Hs.151738	gelatinase, 92kD type IV	MMP9	2574.785	1.11418807
GF201	309826	N94616	Hs.78672	collagenase)	LAMA4	2574.482	
GF201	809788	AA454745	Hs.6195	laminin, alpha 4		2573.462	
				ESTs			
				ESTs, Weakly similar to alternatively spliced product using exon 13A [H.sapiens]		2572.472	
GF201	795758	AA460304	Hs.21205	ESTs, Highly similar to CALCIUM-BINDING		2572.437	
GF204	461493	AA705060	Hs.168069	PROTEIN P22 [H.sapiens]		2570.956	1.87012076
GF200	66582	T67093	Hs.154424	deiodinase, iodothyronine, type II	DIO2	2569.267	1.12233661
GF202	784190	AA446655	Hs.28974	ESTs			
				ESTs, Weakly similar to !!!			
GF203	431573	AA676354	Hs.193618	ALU CLASS B WARNING		2569.091	1.88512026
GF203	430894	AA678226	Hs.18420	ENTRY !!! [H.sapiens]	KIAA1027	2568.97	-1.0627082
GF203	198023	R96478	Hs.16586	KIAA1027 protein		2567.342	-2.0906001
GF200	193586	H47475	Hs.271628	ESTs		2565.506	1.71580618
GF200	768031	AA418846	Hs.54985	KIAA0303 protein	KIAA0303	2564.763	1.18970911
GF202	742853	AA406203	Hs.97964	EST		2563.066	-1.1400606
GF202	271743	N35115	Hs.44698	ESTs		2561.516	1.01090699
GF200	236355	H62396	Hs.37953	ESTs		2560.48	1.01396615
				internexin neuronal intermediate filament protein, alpha			
GF200	784876	AA448015	Hs.76888		INA	2559.691	-1.0963321

APPENDIX A

GF202	511844	AA088761	Hs.68856	Hs.68856	ESTs	2556.966	2.51111197
GF203	392607	AA708240	Hs.120101	Hs.194368	ESTs	2556.785	-1.5630559
					Homo sapiens mRNA; cDNA		
GF202	343555	W69379	Hs.62669	Hs.62669	DKFZp586D0923 (from clone DKFZp586D0923)	2556.761	1.11743055
					telomeric repeat binding factor (NIMA-interacting) 1	2554.731	
GF204	201443	R99110	Hs.117769	Hs.194562	putative tumor suppressor	2552.335	-1.0146819
GF200	34439	R44982	Hs.22919	Hs.22919	Homo sapiens cDNA		
					FLJ10300 fis, clone	2550.422	
GF201	320456	W04706	Hs.49905	Hs.42233	NT2RM2000030	2547.441	1.18263265
GF202	797038	AA463516	Hs.7869	Hs.7869	ESTs	2546.764	1.22389503
GF200	321189	W53015	Hs.11834	Hs.156764	DKFZP586H0723 protein	2545.648	1.18633844
GF202	240008	H82212	Hs.40357	Hs.40357	EST		
					chromodomain helicase DNA binding protein 2	2545.052	
GF201	795833	AA461509	Hs.99548	Hs.36787	CHD2	2541.402	1.33852154
GF202	1031048	AA609871	Hs.112774	Hs.87138	ESTs		
					ESTs, Moderately similar to !!!		
					ALU SUBFAMILY SX		
					WARNING ENTRY !!!!		
GF202	126810	R07268	Hs.113183	Hs.269176	[H.sapiens]	2539.929	1.53271056
GF202	281107	N47797	Hs.46764	Hs.46764	ESTs	2538.597	-1.0345116
					patched related protein		
GF203	812050	AA455970	Hs.28285	Hs.28285	translocated in renal cancer	2538.46	-1.1963951
GF202	773248	AA425773	Hs.30998	Hs.30998	TRC8	2534.667	-1.2073902
					ESTs		
					biphenylhydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)	2531.68	1.42813062
GF202	610097	AA169798	Hs.95938	Hs.184552	BPHL		
					CDC37 (cell division cycle 37, S. cerevisiae, homolog)	2528.71	1.01868673
GF203	810806	AA458870	Hs.83985	Hs.160958	CDC37	2527.694	1.11551502
GF203	645565	AA204830	Hs.14119	Hs.14119	ESTs	2526.664	1.5842271
GF202	38648	R49714	Hs.21064	Hs.170193	ESTs		
					caspase 7, apoptosis-related cysteine protease	2526.427	1.17486511
GF200	72778	T50828	Hs.9216	Hs.9216	CASP7	2524.099	1.791474
GF202	588187	AA132185	Hs.44748	Hs.44748	ESTs		

## APPENDIX A

GF202	364885	AA024493	Hs.61198	Hs.61198	ESTs	2522.901	-1.7800877
GF200	825842	AA504772	Hs.100182	Hs.262476	S-adenosylmethionine decarboxylase 1	2520.944	1.05610444
GF200	246598	N73264	Hs.5996	Hs.5996	ESTs	2519.041	-1.0527244
GF202	291618	N67816	Hs.53263	Hs.53263	ESTs, Moderately similar to !!! ALU SUBFAMILY SX	2517.692	1.16898387
GF204	1468364	AA884052	Hs.31880	Hs.34578	[H.sapiens] alpha2,3-sialyltransferase	2517.532	
GF202	837891	AA434092	Hs.124217	Hs.271869	ESTs	2516.051	1.09089612
GF203	1342650	AA725397	Hs.81884	Hs.81884	sulfotransferase family 2A, dehydroepiandrosterone	2514.197	-1.2091344
GF201	502917	AA135868	Hs.95783	Hs.95783	(DHEA) -preferring, member 1	2512.27	
GF202	781444	AA428604	Hs.107231	Hs.241543	ESTs	2511.62	-1.3983527
GF203	384397	AA708676	Hs.26690	Hs.26690	DKFZP586F1524 protein	2511.231	-1.2006926
GF201	795572	AA459677	Hs.6621	Hs.259729	ESTs	2511.187	
					KIAA0596 protein		KIAA0596
GF203	269752	N24807	Hs.43573	Hs.115175	sterile-alpha motif and leucine zipper containing kinase AZK	2509.315	-1.2641757
GF201	214201	H77625	Hs.39785	Hs.39785	ESTs	2507.948	
GF204	878193	AA775755	Hs.122585	Hs.210645	ESTs	2507.808	
GF201	856585	AA669222	Hs.23441	Hs.154057	matrix metalloproteinase 19	2507.738	
GF204	884884	AA669448	Hs.116677	Hs.204292	ESTs	2505.31	
GF201	40771	R56045	Hs.26488	Hs.268733	ESTs	2504.855	
GF200	241474	H90415	Hs.66746	Hs.194143	breast cancer 1, early onset hect (homologous to the E6- AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (RLD) 1	2501.839	1.77579973
GF202	322553	W15351	Hs.109395	Hs.76127	HERC1	2501.34	1.29025602



Westbrook et al.

APPENDIX A

Human DNA sequence from clone RP3-402G11 on chromosome 22q13.31-13.33 Contains the MAPK12 gene for mitogen activated protein kinase 12 (SAPK3), the MAPK11 gene for mitogen activated protein kinase 11 (PRKM11), gene KIAA0315, the gene for a novel protein s									
GF200	470368	AA029368	Hs.33026	Hs.33026	G protein-coupled receptor	ESTs	2501	-1.1472501	
GF204	269427	N26172	Hs.43760	Hs.43760		ESTs	2500.015		
GF200	321580	W32884	Hs.21866	Hs.242407		ESTs	2497.762	-1.0280045	
GF200	295410	W05002	Hs.8854	Hs.8854		ESTs	2497.761	-1.0342385	
GF203	129570	R14976	Hs.52159	Hs.228598		ESTs	2497.474	1.06834141	
GF201	306996	N93646	Hs.24451	Hs.112062	ERO1 (S. cerevisiae)-like	ESTs	2496.976		
GF201	347546	W81375	Hs.58546	Hs.25740		EST	2496.055		
GF202	309264	N93875	Hs.55015	Hs.55015		EphB1	2494.265	2.49380165	
GF201	153541	R48320	Hs.83163	Hs.78436		ESTs	2493.456		
GF204	502778	AA126261	Hs.41269	Hs.41269		erythrocyte membrane protein band 7.2 (stomatin)	2493.297		
GF200	138936	R62868	Hs.74478	Hs.160483	secretagogin	ESTs	2492.559	1.56389579	
GF203	785836	AA449105	Hs.41028	Hs.180197		ESTs	2492.45	-1.3154928	
GF204	1291673	AA776828	Hs.128689	Hs.128689		ESTs	2492.156		
GF204	845521	AA644563	Hs.116428	Hs.116428		SECRET	2492.046		
GF203	647514	AA199733	Hs.115056	Hs.188697		ESTs	2490.162	-1.1467069	
GF201	855843	AA664284	Hs.118560	Hs.131255	ubiquinol-cytochrome c reductase binding protein	UQCRB	2489.971		
GF202	731445	AA412443	Hs.98132	Hs.98132		ESTs	2484.884	-1.2666287	
GF204	1461068	AA890146	Hs.126073	Hs.189114		ESTs	2484.746		
GF203	1239953	AA706627	Hs.87020	Hs.187621		ESTs	2484.466	-1.1066718	
GF202	812088	AA455999	Hs.22151	Hs.22151	Homo sapiens mRNA for KIAA1226 protein, partial cds	ESTs	2484.163	1.2036242	
GF201	40963	R56233	Hs.22139	Hs.171485		ESTs	2483.975		
GF203	207427	H58911	Hs.26645	Hs.173949		ESTs	2480.689	-1.0339857	
GF204	146912	R80803	Hs.117569	Hs.117569		ESTs	2480.595		
GF203	450060	AA703392	Hs.70541	Hs.278568		H factor (complement)-like 1	2480.495	-1.2001919	HFL1

APPENDIX A

GF201	140951	R66605	Hs.93787	Hs.182485	actinin, alpha 4 carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5	ACTN4	2480.147	
GF203	148354	H13279	Hs.31147	Hs.31147	ESTs	CHST5	2480.083	-1.4430664
GF202	130858	R22206	Hs.23359	Hs.23359	DKFZP586A0522 protein	DKFZP586A0522	2479.917	-1.0110048
GF201	294397	N70948	Hs.106232	Hs.108740	ESTs		2478.349	1.49009771
GF203	432105	AA679309	Hs.58919	Hs.58919	ESTs		2476.45	
GF201	307157	N93740	Hs.14426	Hs.247162	PTD007 protein	PTD007	2475.998	
GF201	305538	N89861	Hs.54546	Hs.112110	small proline-rich protein 2C	SPRR2C	2475.924	1.02239916
GF200	729942	AA399674	Hs.2421	Hs.2421	ESTs		2474.847	1.59228439
GF200	201651	R98262	Hs.53115	Hs.131693			2474.687	
GF204	145743	R77955	Hs.120249	Hs.123073	CDC2-related protein kinase 7	LOC51755	2474.156	
GF201	234490	H95362	Hs.107347	Hs.7327	claudin 1	CLDN1	2473.736	
GF200	563673	AA101299	Hs.74294	Hs.74294	antiquitin 1	ATQ1	2471.578	1.19587517
GF200	126390	R06458	Hs.112125	Hs.242908	lecithin-cholesterol acyltransferase	LCAT	2470.168	1.03729102
GF203	666298	AA262354	Hs.111395	Hs.186648	ESTs		2469.591	1.80077833
GF201	773106	AA425316	Hs.22142	Hs.22142	Homo sapiens mRNA; cDNA DKFZp434A149 (from clone DKFZp434A149)		2467.819	
GF204	324533	W52000	Hs.56127	Hs.143942	ESTs		2466.408	
GF203	878130	AA775415	Hs.90182	Hs.180139	SMT3 (suppressor of mif two 3, yeast) homolog 2	SMT3H2	2465.969	1.49368115
GF200	40946	R55789	Hs.26468	Hs.26468	amyloid beta (A4) precursor protein-binding, family A, member 2 (X11-like)	APBA2	2465.606	1.22060458
GF202	742979	AA405740	Hs.25371	Hs.25371	ESTs, Weakly similar to proline-rich protein [M.musculus]		2464.827	1.05028133
GF202	305467	N89842	Hs.54542	Hs.54542	ESTs		2464.04	1.18483684
GF200	770014	AA427667	Hs.74647	Hs.74647	T cell receptor alpha locus	TRA@	2463.015	1.16194669
GF204	1460696	AA868802	Hs.115426	Hs.115426	ESTs		2462.824	
GF202	782499	AA431771	Hs.98756	Hs.98756	EST		2462.036	-1.3688047
GF200	758266	AA437064	Hs.75774	Hs.75774	thrombospondin 4	THBS4	2460.277	-1.200969
GF200	587010	AA133684	Hs.75932	Hs.173288	KIAA0155 gene product	KIAA0155	2458.72	1.69009108

APPENDIX A

GF200	141931	R67543	Hs.107124	Hs.142939	ESTs	2458.527	-1.2149437
GF204	1631933	AA994533	Hs.9343	Hs.9343	ESTs	2458.135	
GF202	611373	AA176833	Hs.110089	Hs.4113	S-adenosylhomocysteine hydrolase-like 1	2456.77	-1.0490341
					Homo sapiens cDNA		
GF201	505466	AA156442	Hs.40584	Hs.92308	FLJ11223 fis, clone	2456.602	
GF202	289790	N62996	Hs.48688	Hs.173012	PLACE1008209	2454.099	-1.1455349
GF200	203850	H56438	Hs.37308	Hs.37308	ESTs	2453.754	1.49854939
GF204	1456714	AA864865	Hs.127698	Hs.127698	ESTs	2451.56	
GF203	878652	AA670200	Hs.91299	Hs.202097	procollagen C-endopeptidase enhancer	2449.579	-1.1655162
					ESTs, Moderately similar to !!! ALU SUBFAMILY SC		
GF203	293059	N63781	Hs.119476	Hs.91052	WARNING ENTRY !!!! [H.sapiens]	2445.915	1.03365016
					Homo sapiens mRNA; cDNA		
GF203	845723	AA773358	Hs.68900	Hs.180780	DKFZp762L137 (from clone	2445.895	1.86009139
GF201	781311	AA446361	Hs.6872	Hs.6872	DKFZp762L137); partial cds	2445.836	
					ESTs		
GF203	854644	AA630449	Hs.119529	Hs.119529	epididymal secretory protein	2442.844	1.92730655
GF202	843263	AA488652	Hs.4209	Hs.4209	(19.5kD)	2442.467	1.75799132
GF203	1472775	AA872420	Hs.114599	Hs.114599	hypothetical protein	2441.8	1.52245303
GF202	951327	AA620598	Hs.9052	Hs.9052	collagen, type VIII, alpha 1	2440.514	1.04811015
					ESTs		
					solute carrier family 15 (H+/peptide transporter), member 2	2439.032	
GF204	32509	R43053	Hs.119715	Hs.182575	SLC15A2		
GF200	288896	N62620	Hs.79351	Hs.79351	potassium channel, subfamily K, member 1 (TWIK-1)	2437.073	1.15148931
					ESTs, Weakly similar to thioredoxin-like protein		
GF204	878152	AA775431	Hs.31819	Hs.31819	[H.sapiens]	2437.067	
GF203	770839	AA427767	Hs.98336	Hs.11170	SYT interacting protein	2436.522	-1.8017075
GF204	1466546	AA885132	Hs.99595	Hs.99595	ESTs	2436.37	

APPENDIX A

GF201	308484	N95752	Hs.107259	Hs.181165	eukaryotic translation		2436.162
GF204	1049158	AA620983	Hs.121568	Hs.185889	elongation factor 1 alpha 1	EEF1A1	2434.972
GF204	26307	R20655	Hs.3405	Hs.81281	ESTs		2434.899
GF201	740941	AA478298	Hs.74120	Hs.74120	hypothetical protein	LOC54460	2434.649
GF200	785605	AA448998	Hs.75813	Hs.110613	adipose specific 2	APM2	2433.894
GF200	840511	AA487812	Hs.2064	Hs.2064	KIAA0220 protein	KIAA0220	-1.0501104
					vimentin	VIM	-2.3235498
					ESTs, Moderately similar to !!!		
					ALU SUBFAMILY SX		
					WARNING ENTRY !!!!		
GF202	309368	N93967	Hs.55027	Hs.240722	[H.sapiens]		2432.968
					LIM protein (similar to rat		2.14266327
					protein kinase C-binding		
GF200	196345	R92455	Hs.34591	Hs.154103	enigma)	LIM	2430.37
GF202	26387	R39804	Hs.21151	Hs.21151	ESTs		1.95188783
GF201	263049	N20046	Hs.37386	Hs.37386	ESTs		1.05496648
GF204	700494	AA291066	Hs.105099	Hs.105099	ESTs		2429.372
					synaptosomal-associated		2428.181
GF200	200863	R98877	Hs.15064	Hs.184376	protein, 23kD	SNAP23	2425.954
					Homo sapiens mRNA; cDNA		2.37867428
					DKFZp434M245 (from clone		
					DKFZp434M245)		
GF201	730768	AA436008	Hs.5288	Hs.5288	ESTs		2424.262
GF202	197838	R96198	Hs.117887	Hs.117887	ESTs		2423.942
GF202	796350	AA456130	Hs.99442	Hs.6538	ANKHZN protein	ANKHZN	1.74930818
GF202	29185	R05458	Hs.106686	Hs.151406	KIAA0623 gene product	KIAA0623	1.11956682
GF203	814988	AA465714	Hs.87432	Hs.87432	ESTs		1.92260111
GF204	740707	AA478158	Hs.62515	Hs.62515	KIAA0494 gene product	KIAA0494	-1.451415
GF202	262327	H99398	Hs.42680	Hs.42680	ESTs		2420.383
GF204	858852	AA666341	Hs.116612	Hs.116612	EST		2417.672
GF200	245099	N76338	Hs.110641	Hs.69855	NRAS-related gene	D1S155E	-1.0722399
					purinergic receptor P2X, ligand		1.07532947
GF200	42118	R60722	Hs.9610	Hs.9610	gated ion channel, 4	P2RX4	2416.532
GF204	1492881	AA878648	Hs.122325	Hs.165165	ESTs		2415.585
					ATPase, H+ transporting,		
					lysosomal (vacuolar proton		
					pump), member J	ATP6J	2415.148
GF202	811603	AA454616	Hs.99371	Hs.90336			1.55568997

APPENDIX A

GF204	1292663	AA719160	Hs.120367	Hs.120367	EST		2415.105
GF203	727278	AA401686	Hs.108720	Hs.182470	PTD010 protein	PTD010	2414.97
GF201	266227	N26711	Hs.42245	Hs.42245	ESTs		2414.847
GF200	139689	R64008	Hs.28462	Hs.28462	ESTs		2413.673
					complement C1r-like		-1.0975099
GF201	771142	AA427778	Hs.98571	Hs.98571	proteinase precursor,	LOC51279	2413.3
GF200	810724	AA480815	Hs.76095	Hs.76095	immediate early response 3	IER3	2412.746
					major histocompatibility		
GF201	810142	AA464246	Hs.85917	Hs.277477	complex, class I, C	HLA-C	2412.111
					Clathrin assembly lymphoid-		
GF200	774071	AA442040	Hs.7885	Hs.7885	myeloid leukemia gene	CLTH	2412.039
					LIM and senescent cell		1.05589984
GF200	795771	AA460330	Hs.89451	Hs.112378	antigen-like domains 1	LIMS1	2410.965
GF200	247816	N73030	Hs.1281	Hs.1281	complement component 5	C5	2410.607
GF202	504420	AA142913	Hs.71721	Hs.71721	ESTs		2410.037
					tachykinin, precursor 1		
					(substance K, substance P,		
					neurokinin 1, neurokinin 2,		
					neuromedin L, neurokinin		
					alpha, neuropeptide		
GF201	784179	AA446659	Hs.2563	Hs.2563	K <sub>1</sub> neuropeptide gamma)	TAC1	2408.971
GF202	839956	AA490144	Hs.6658	Hs.6658	ESTs		2407.269
GF200	293421	N92136	Hs.48847	Hs.209634	ESTs		2406.712
					CD36 antigen (collagen type I		
					receptor, thrombospondin		
					receptor)-like 2 (lysosomal		
GF204	1034625	AA779835	Hs.122117	Hs.85963	integral membrane protein II)	CD36L2	2405.888
GF200	897531	AA497002	Hs.82914	Hs.211579	melanoma adhesion molecule	MCAM	2405.805
GF201	796148	AA460975	Hs.7122	Hs.7122	scrapie responsive protein 1	SCRG1	2405.792
GF200	324815	W49563	RG.40	Hs.32539	phospholipase C, beta 4	PLCB4	2405.694
GF201	360674	AA015782	Hs.40910	Hs.40910	ESTs		2405.047
					intercellular adhesion molecule		
					3	ICAM3	
GF200	754080	AA478647	Hs.99995	Hs.99995	ATP-binding cassette, sub-		2405.018
					family F (GCN20), member 1	ABCF1	-1.0061858
GF203	811161	AA485752	Hs.9573	Hs.9573			2404.585
							1.09709807

APPENDIX A

GF201	868368	AA634103	Hs.75968	Hs.75968	thymosin, beta 4, X chromosome	TMSB4X	2403.737
GF204	1034445	AA779697	Hs.122110	Hs.122110	ESTs		2402.708
GF201	504452	AA151249	Hs.81311	Hs.100016	protoporphyrinogen oxidase	PPOX	2402.233
GF202	731121	AA417307	Hs.111980	Hs.271871	spindlin	SPIN	2401.995
GF201	140240	R67886	Hs.28769	Hs.124134	ESTs		2398.482
					ESTs, Weakly similar to !!!!		
					ALU SUBFAMILY J		
GF200	109049	T80942	Hs.77085	Hs.42656	WARNING ENTRY !!!!		2398.441
					[H.sapiens]		-1.0715598
					ESTs, Highly similar to		
					DYNEIN HEAVY CHAIN,		
GF201	415406	W80389	Hs.42333	Hs.169115	CYTOSOLIC [R.norvegicus]		2397.676
GF202	757352	AA437107	Hs.98447	Hs.190117	ESTs		2396.473
GF204	487766	AA045175	Hs.61588	Hs.177552	ESTs		2396.254
GF201	278504	N66139	Hs.82757	Hs.94653	neurochondrin	KIAA0607	2394.706
					sigma receptor (SR31747		
GF200	324210	W47484	Hs.24447	Hs.24447	binding protein 1)	SR-BP1	2393.915
GF204	743980	AA629014	Hs.116290	Hs.116290	ESTs		2392.876
GF200	341336	W58013	Hs.15253	Hs.23862	ESTs		2391.935
GF200	194921	R91060	Hs.34356	Hs.251792	EST		2391.221
					fibronectin leucine rich		
GF202	30963	R42622	Hs.12523	Hs.12523	transmembrane protein 1	FLRT1	2390.498
GF203	746345	AA481405	Hs.89373	Hs.110347	REV1 protein	REV1	2390.441
GF203	412967	AA707847	Hs.120051	Hs.120051	ESTs		2389.691
					Homo sapiens clone 23582		
GF202	42803	R60014	Hs.6421	Hs.6421	mRNA sequence		2388.626
GF202	303023	N91566	Hs.54725	Hs.54725	ESTs		2387.241
GF201	258263	N26407	Hs.82213	Hs.82213	ESTs		2386.574
GF201	33693	R44707	Hs.22687	Hs.22687	ESTs		2385.39
GF202	289145	N68966	Hs.49589	Hs.49589	ESTs		2384.751
					ESTs, Moderately similar to !!!!		1.47332903
					ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
					[H.sapiens]		
GF204	433063	AA676548	Hs.116019	Hs.270559			2384.371

APPENDIX A

GF204	248098	N58401	Hs.118106	Hs.267319	endogenous retroviral protease	HUMRTVLH3	2383.223	
GF200	812266	AA455062	Hs.101608	Hs.239114	mannosidase, alpha, class 1A, member 2	MAN1A2	2382.402	1.23833095
GF200	812266	AA455062	Hs.75873	Hs.239114	mannosidase, alpha, class 1A, member 2	MAN1A2	2382.402	1.23833095
GF203	726595	AA397918	Hs.97506	Hs.231499	EST		2381.679	1.58536868
GF200	786202	AA448690	Hs.6445	Hs.6445	Homo sapiens (clone s153) mRNA fragment		2379.955	1.02743121
GF203	1456118	AA862434	Hs.9280	Hs.9280	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional protease 2)	PSMB9	2377.168	-1.3731953
GF203	487458	AA043436	Hs.76688	Hs.76688	carboxylesterase 1 (monocyte/macrophage serine esterase 1)	CES1	2376.397	1.01243153
GF203	244681	N54302	Hs.114438	Hs.114438	ESTs		2376.33	-2.1233074
GF200	366154	AA062813	Hs.81499	Hs.222909	DKFZP434C128 protein	DKFZP434C128	2376.203	-1.1360725
GF200	714210	AA293192	Hs.54649	Hs.54649	putative nucleic acid binding protein RY-1	RY1	2376.165	-1.0181736
GF200	843321	AA489569	Hs.23881	Hs.23881	keratin 7	KRT7	2375.047	-1.3568157
GF204	1048969	AA778623	Hs.68490	Hs.68490	ESTs		2374.819	
GF202	22773	R38613	Hs.106312	Hs.10475	ESTs		2372.08	-1.5374964
GF200	154707	R55075	Hs.75659	Hs.75659	MpV17 transgene, murine homolog, glomerulosclerosis	MPV17	2369.449	1.09413504
GF201	211367	H66670	Hs.108279	Hs.271989	ESTs		2368.655	
GF203	277536	N56973	Hs.43133	Hs.43133	KIAA0628 gene product	KIAA0628	2367.84	-1.1305724
GF201	491486	AA150301	Hs.60679	Hs.60679	TATA box binding protein (TBP)-associated factor, RNA polymerase II, G, 32kD	TAF2G	2367.603	
GF200	564803	AA129552	Hs.239	Hs.239	forkhead box M1	FOXM1	2364.96	1.15102563
GF201	773381	AA425754	Hs.75848	Hs.75932	N-ethylmaleimide-sensitive factor attachment protein, alpha	NAPA	2364.555	
GF202	839060	AA487510	Hs.35087	Hs.34892	Homo sapiens mRNA for KIAA1323 protein, partial cds		2362.042	1.47797361

APPENDIX A

GF201	50888	H19203	Hs.75454	antioxidant protein 1	AOP1	2361.37
GF201	502634	AA127017	Hs.71052	ESTs		2361.349
GF200	46518	H09172	Hs.54435	dystrobrevin, alpha	DTNA	2360.348
GF204	1468764	AA889055	Hs.123468	ESTs		2359.321
				polymeric immunoglobulin receptor	PIGR	2357.76
GF204	840266	AA485303	Hs.108339	ESTs, Weakly similar to !!!!		
				ALU SUBFAMILY SQ		
				WARNING ENTRY !!!!		
GF200	122899	R00151	Hs.18860	[H.sapiens]		2356.87
						1.1089376
				O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	OGT	2356.245
GF201	773220	AA425655	Hs.29483	ESTs		2355.716
GF202	41128	R59116	Hs.26622	cytochrome b-561	CYB561	-1.8311278
GF204	770845	AA427768	Hs.119307	dipeptidase 1 (renal)	DPEP1	2355.617
GF203	1456900	AA863424	Hs.109	ESTs, Weakly similar to leucine aminopeptidase		2355.14
				[H.sapiens]		-1.9638651
GF203	1049006	AA778640	Hs.71746	ESTs		2354.979
GF201	489169	AA056580	Hs.48338	ESTs		2354.273
GF201	811071	AA485455	Hs.96602	ESTs		2352.11
GF204	447552	AA702419	Hs.114118	ESTs		2348.435
				Homo sapiens MEG3 mRNA, partial sequence, imprinted gene		2347.313
GF200	206907	R98695	Hs.26063	ESTs		2347.054
GF201	49687	H15250	Hs.27895	ESTs, Moderately similar to hypothetical protein		
				[H.sapiens]		2345.074
GF201	39885	R52543	Hs.22884	Meis (mouse) homolog 2	MEIS2	2343.653
GF201	503083	AA148641	Hs.6319	Homo sapiens clone 24583 mRNA sequence		2343.445
GF204	1502650	AA894648	Hs.126262	DKFZP58611023 protein	DKFZP58611023	2342.15
GF203	449112	AA777488	Hs.26887			1.44064619



## APPENDIX A

GF202	306005	N91382	Hs.54706	Hs.7949	DKFZP586B2420 protein	DKFZP586B2420	2341.261	-1.2131518
GF202	731048	AA421275	Hs.98341	Hs.98341	EST		2340.281	1.50470872
GF201	129530	R14869	Hs.108346	Hs.20787	ESTs		2339.954	
GF200	23932	R39464	Hs.86921	Hs.197766	Human clone 23932 mRNA			
GF200	126401	R06568	Hs.19721	Hs.269534	sequence		2339.493	1.45876506
GF202	32683	R43543	Hs.100912	Hs.100912	ESTs		2336.744	1.08095366
					ESTs		2336.289	1.36233039
GF200	786155	AA448866	Hs.99146	Hs.118640	dishevelled 2 (homologous to			
GF201	305515	N89857	Hs.54544	Hs.54544	Drosophila dsh)	DVL2	2335.834	1.24223396
GF204	743896	AA634472	Hs.99360	Hs.99360	ESTs		2334.523	
GF203	293654	N69648	Hs.49724	Hs.269135	ESTs		2333.742	
GF200	843133	AA486524	Hs.74588	Hs.122669	ESTs		2330.702	1.43108178
					KIAA0264 protein	KIAA0264	2330.51	1.98914913
					ESTs, Moderately similar to !!!!			
					ALU SUBFAMILY SQ			
					WARNING ENTRY !!!!			
GF204	462079	AA705361	Hs.124879	Hs.269589	[H.sapiens]		2329.525	
					arsA (bacterial) arsenite			
					transporter, ATP-binding,			
GF200	825677	AA504809	Hs.79354	Hs.165439	homolog 1	ASNA1	2328.512	-1.2298695
GF200	711959	AA282063	Hs.112003	Hs.250745	polymerase (RNA) III (DNA			
GF202	726860	AA398356	Hs.32017	Hs.32017	directed) (62kD)	RPC62	2327.548	1.20365687
GF201	491237	AA152303	Hs.108684	Hs.79013	ESTs		2326.549	-1.4207532
GF202	1055636	AA620927	Hs.112924	Hs.112924	ESTs		2325.959	
					EST		2324.413	-1.0281774
					ESTs, Weakly similar to			
GF200	123614	R01499	Hs.19002	Hs.19002	unknown [H.sapiens]		2323.722	1.07017139
					SWI/SNF related, matrix			
					associated, actin dependent			
					regulator of chromatin,			
GF200	781018	AA446292	Hs.76168	Hs.159971	subfamily b, member 1	SMARCB1	2320.964	-2.5153236
GF204	1493217	AA878939	Hs.125406	Hs.125406	ESTs		2320.671	
					Homo sapiens mRNA; cDNA			
					DKFZp586J1717 (from clone			
GF202	325220	W48601	Hs.56027	Hs.56027	DKFZp586J1717)		2320.542	1.30547177

APPENDIX A

GF203	767322	AA418538	Hs.43945	Hs.43945	ESTs, Highly similar to dJ1178H5.3 [H.sapiens]	2319.189	2.38275862
GF203	289562	N62763	Hs.16570	Hs.16570	ESTs	2318.253	1.01743406
GF201	47460	H11454	Hs.21391	Hs.3353	beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	2318.052	
GF201	611255	AA176491	Hs.35937	Hs.35937	myogenic factor 6 (herculin)	2316.845	
GF201	40932	R55763	Hs.6512	Hs.107287	Homo sapiens mRNA for KIAA1411 protein, partial cds	2316.792	
GF202	284569	N64774	Hs.49059	Hs.49059	ESTs	2315.141	1.41499658
GF203	739250	AA421311	Hs.111923	Hs.108894	Homo sapiens clone 23918 mRNA sequence	2314.963	-1.8794864
GF203	450926	AA704699	Hs.7159	Hs.7159	Homo sapiens mRNA; cDNA DKFZp761K2312 (from clone DKFZp761K2312)	2314.707	-1.2271097
GF200	198580	R94809	Hs.35355	Hs.203123	ESTs, Weakly similar to MMSET type II [H.sapiens]	2313.496	-1.0621724
GF201	487371	AA046700	Hs.61661	Hs.61661	ESTs, Weakly similar to [C.elegans]	2312.245	
GF203	869182	AA680279	Hs.26703	Hs.26703	POP2 (yeast homolog)	2311.354	-1.862756
GF201	279009	N66686	Hs.26934	Hs.108358	ESTs	2309.898	
GF202	839579	AA489813	Hs.105298	Hs.105298	EST	2309.886	-2.6181909
GF203	814992	AA465725	Hs.112162	Hs.178331	ESTs	2309.544	-1.176217
GF201	247103	N53959	Hs.108380	Hs.108380	Rhesus blood group, D antigen	2307.787	
GF200	131563	R24223	Hs.23630	Hs.23630	ESTs	2307.162	1.05777125
GF200	127076	R07998	Hs.18628	Hs.18628	ESTs	2306.068	1.06964451
GF200	491066	AA136910	Hs.79127	Hs.150402	activin A receptor, type I	2305.925	1.50346539
GF204	878810	AA670415	Hs.116708	Hs.116708	ESTs, Weakly similar to HYPOTHETICAL PROTEIN KIAA0063 [H.sapiens]	2305.865	
GF200	144870	R78536	Hs.101565	Hs.25615	YDD19 protein	2305.145	-1.1550033
GF201	51749	H24329	Hs.16711	Hs.75295	guanylate cyclase 1, soluble, alpha 3	2304.516	

APPENDIX A

GF201	809479	AA443121	Hs.58389	Hs.58389	ESTs, Weakly similar to faciogenital dysplasia protein 2 [M.musculus]	2302.666	
GF200	381931	AA058828	Hs.235	Hs.138671	fms-related tyrosine kinase 1	2300.088	1.13320151
GF202	782158	AA431187	Hs.98709	Hs.98709	(vascular endothelial growth factor/vascular permeability factor receptor)	2298.399	-1.1065278
GF202	272458	N35795	Hs.44753	Hs.44753	FLT1	2296.983	-1.1855031
GF200	469281	AA026112	Hs.95659	Hs.95659	lethal giant larvae (Drosophila) homolog 1	2296.676	1.28865117
GF203	430497	AA680371	Hs.119282	Hs.269513	ESTs	2295.914	-1.6770386
GF202	132637	R26792	Hs.91467	Hs.79381	grancalcin	2295.318	1.42285873
					high-mobility group (nonhistone chromosomal)		
GF201	970591	AA683085	Hs.74570	Hs.189509	protein 1	2294.001	
GF204	855710	AA663933	Hs.105857	Hs.15202	chimerin (chimaerin) 2	2291.675	
GF202	1030791	AA609009	Hs.63304	Hs.63304	protein phosphatase		
GF202	281757	N48080	Hs.46815	Hs.170053	methyltransferase-1	2291.671	-1.0804289
GF201	366783	AA029703	Hs.36574	Hs.36574	ESTs	2289.25	2.56534212
					transducin-like enhancer of split 3, homolog of Drosophila	2287.08	
GF201	755751	AA496630	Hs.97253	Hs.31305	E(sp1)	2283.368	
GF203	416075	W85878	Hs.14543	Hs.14543	ESTs	2282.91	1.19409082
GF203	753973	AA478950	Hs.86998	Hs.86998	nuclear factor of activated T- cells 5	2282.409	1.86069465
					Homo sapiens mRNA; cDNA DKFZp434I0121 (from clone DKFZp434I0121)		
GF202	730564	AA435953	Hs.98845	Hs.98845	phosphoserine phosphatase	2282.38	-1.0218301
GF202	843195	AA488432	Hs.56407	Hs.56407	serine/threonine kinase 9	2282.047	1.43649239
GF200	301018	N80713	Hs.50905	Hs.50905	ESTs	2281.882	1.24518068
GF201	50895	H18456	Hs.27946	Hs.27946	EST	2280.368	
GF202	306121	N90514	Hs.54624	Hs.54624	eukaryotic translation elongation factor 1 gamma	2277.196	1.25727467
GF200	141854	R70598	Hs.107159	Hs.2186	EEF1G	2276.978	-1.0058077

APPENDIX A

GF202	509458	AA056375	Hs.110404	Hs.206501	Homo sapiens clone 643		2276.974	1.57124868
GF203	43072	R61871	Hs.26009	Hs.26009	unknown mRNA, complete sequence	KIAA0860	2274.893	1.08765943
GF200	132630	R25980	Hs.14855	Hs.14855	ESTs		2274.015	1.20692689
GF200	752631	AA417654	Hs.1420	Hs.1420	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)	FGFR3	2271.501	1.23336753
GF201	24938	R38865	Hs.100237	Hs.158244	KIAA0479 protein	KIAA0479	2271.36	
GF202	809391	AA456592	Hs.99429	Hs.99429	ESTs		2270.42	-1.992449
GF203	701579	AA287032	Hs.96615	Hs.13012	ESTs		2268.203	1.1545271
GF203	683361	AA214510	Hs.86618	Hs.86618	ESTs		2266.124	1.70141979
GF202	841697	AA487591	Hs.104279	Hs.190151	ESTs		2265.931	-1.0697996
GF202	276408	N40186	Hs.45051	Hs.45051	ESTs		2265.004	-1.250262
GF202	32095	R42698	Hs.26253	Hs.26253	ESTs		2263.238	-1.215505
GF200	128290	R09890	Hs.52044	Hs.272024	ESTs		2261.389	1.45710589
GF202	295359	N76040	Hs.50678	Hs.50678	EST		2260.296	-1.0516614
GF200	293990	N95656	Hs.39528	Hs.269106	ESTs		2259.692	2.19036795
GF200	127841	R08829	Hs.95990	Hs.95990	pyruvate kinase, liver and RBC PKLR		2257.958	-1.0165599
GF204	343688	W69160	Hs.36565	Hs.36565	ESTs		2256.053	
GF203	701806	AA292721	Hs.96611	Hs.154434	ESTs, Weakly similar to unknown [H.sapiens]		2254.071	-1.0579485
GF201	773157	AA425382	Hs.6553	Hs.6553	ESTs		2254.017	
GF200	209624	H97765	Hs.7729	Hs.250820	ESTs		2253.915	1.15869264
GF201	771317	AA476235	Hs.38044	Hs.38044	DKFZP564M082 protein	DKFZP564M082	2252.886	
GF202	841386	AA487527	Hs.62264	Hs.62264	KIAA0937 protein	KIAA0937	2252.714	-1.2942575
GF202	73787	T54673	Hs.9784	Hs.229590	EST		2251.81	-1.7826127
GF203	1240243	AA788999	Hs.122376	Hs.122376	ESTs		2251.401	1.4236367
GF201	49469	H16581	Hs.52097	Hs.14898	Homo sapiens mRNA; cDNA			
GF204	1435273	AA857705	Hs.125179	Hs.125179	DKFZp434M196 (from clone DKFZp434M196)		2251.29	
GF202	30959	R42618	Hs.12700	Hs.12700	ESTs		2250.124	
GF202	416817	W86791	Hs.58896	Hs.58896	ESTs		2249.446	-1.1438603
					ESTs		2248.988	-1.1089806

"02020" 8626960

## APPENDIX A

GF201	236034	H61243	Hs.80658	Hs.80658	uncoupling protein 2	2248.362	
GF202	291416	N72300	Hs.50214	Hs.50214	(mitochondrial, proton carrier) UCP2 EST	2248.069	1.26567491
GF202	43729	H06195	Hs.7194	Hs.7194	Homo sapiens cDNA FLJ10614 fis, clone NT2RP2005436, weakly similar to SPLICING FACTOR, ARGININE/SERINE-RICH 4	2245.587	-1.0926023
GF204	856415	AA630768	Hs.26837	Hs.26837	Homo sapiens mRNA; cDNA DKFZp586K1123 (from clone DKFZp586K1123)	2244.679	
GF204	379796	AA706035	Hs.119946	Hs.119946	ESTs	2244.621	
GF201	321205	AA037352	Hs.54567	Hs.54567	paired box gene 1	2244.159	
GF202	731404	AA412247	Hs.111970	Hs.111970	ESTs	2243.036	-1.5642168
GF203	1048698	AA620609	Hs.104841	Hs.98289	VRK3 for vaccinia related kinase 3	2241.028	-1.7154612
GF202	52917	H29231	Hs.32464	Hs.27384	ESTs	2240.331	-1.1162536
GF203	814816	AA455253	Hs.99651	Hs.192837	ESTs	2239.812	1.50836658
GF204	450327	AA703619	Hs.119776	Hs.188613	ESTs	2238.475	
GF204	432493	AA699505	Hs.17984	Hs.59255	DKFZP434N043 protein	2238.178	
GF202	781404	AA430202	Hs.125037	Hs.125037	Homo sapiens cDNA FLJ20548 fis, clone KAT11542	2237.661	-1.7438511
GF202	727204	AA402484	Hs.8140	Hs.8140	ESTs	2237.221	-1.5619903
GF203	431263	AA682563	Hs.17207	Hs.17207	ESTs	2237.198	-1.8324234
GF200	949928	AA599173	Hs.82210	Hs.82210	zinc finger protein 220	2236.38	1.20054208
					ESTs, Moderately similar to !!! ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
GF202	511776	AA088438	Hs.68832	Hs.129600	[H.sapiens]	2235.375	1.12331446
GF200	120173	T95693	Hs.17614	Hs.17614	ESTs	2233.908	1.06990621
GF201	624627	AA187351	Hs.75319	Hs.75319	ribonucleotide reductase M2	2233.016	
GF202	841499	AA487264	Hs.105712	Hs.154974	polypeptide	2231.03	1.42783421
GF203	42389	R59992	Hs.106675	Hs.271920	ESTs	2230.734	-1.2625387

APPENDIX A

GF204	506583	AA708512	Hs.120129	Hs.25537	cardiotrophin 1	CTF1	2229.69
GF203	813261	AA455922	Hs.6651	Hs.6651	Homo sapiens clone 23645 mRNA sequence		2229.537
GF204	1090708	AA599532	Hs.112443	Hs.112594	Homo sapiens mRNA; cDNA DKFZp434F0272 (from clone DKFZp434F0272)		2229.04
GF202	843075	AA488627	Hs.75258	Hs.75258	H2A histone family, member Y	H2AFY	2228.545
GF201	248232	N58473	Hs.47686	Hs.125024	ESTs		2227.639
GF202	67735	T49633	Hs.90545	Hs.90458	serine palmitoyltransferase subunit I	SPTI	2227.177
GF203	858911	AA776891	Hs.85963	Hs.85963	CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 2 (lysosomal integral membrane protein II)	CD36L2	2226.463
GF200	711857	AA281189	Hs.119017	Hs.748	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)	FGFR1	2226.33
GF202	417473	W88587	Hs.59173	Hs.273385	guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	GNAS1	2226.296
GF202	510906	AA102223	Hs.125080	Hs.272122	ESTs, Moderately similar to !!!		
GF203	40155	R53480	Hs.12375	Hs.233650	ALU SUBFAMILY SP		
GF204	1291974	AA707469	Hs.120018	Hs.180115	WARNING ENTRY !!!!		
GF200	156386	R73545	Hs.22418	Hs.184488	[H.sapiens]		2221.674
GF204	460149	AA676866	Hs.117009	Hs.117009	ESTs		2220.957
					ESTs		2217.716
					flotillin 2	FLOT2	2217.223
					EST		2214.239
					protein kinase, interferon-inducible double stranded RNA dependent	PRKR	2213.922
GF201	323185	W42587	Hs.79121	Hs.274382	KIAA0998 protein	KIAA0998	2212.475
GF203	136026	R34225	Hs.24747	Hs.131525			-1.0185702

## APPENDIX A

GF200	142395	R69885	Hs.83634	Hs.83634	host cell factor C1 (VP16- accessory protein)	HCFC1	2211.616	-1.0427658
GF200	752557	AA419524	Hs.5205	Hs.11689	Notch (Drosophila) homolog 4 benzodiazepine receptor	NOTCH4	2210.232	1.20879528
GF200	813444	AA455945	Hs.202	Hs.202	(peripheral)	BZRP	2209.638	1.34488092
GF204	502720	AA135933	Hs.103840	Hs.103840	EST		2208.78	
GF202	289770	N59287	Hs.48361	Hs.48361	EST		2208.674	-1.1048462
GF202	726904	AA398427	Hs.97627	Hs.97627	protein similar to E.coli yhdg and R. capsulatus nifR3	PP35	2206.893	1.79763256
GF201	49987	H28734	Hs.89582	Hs.89582	glutamate receptor, ionotropic, AMPA 2	GRIA2	2206.619	
GF201	304908	N92519	Hs.1189	Hs.1189	E2F transcription factor 3	E2F3	2206.432	
GF201	259591	N32768	Hs.119662	Hs.173609	pregnancy specific beta-1- glycoprotein 1	PSG1	2203.324	
GF201	427877	AA001950	Hs.14035	Hs.188750	ESTs		2202.979	
GF201	257106	N26823	Hs.100117	Hs.85273	retinoblastoma-binding protein 6	RBBP6	2202.731	
GF200	137862	R68360	Hs.28869	Hs.183373	ATX1 (antioxidant protein 1, yeast) homolog 1	ATOX1	2202.415	-1.5811977
GF201	771050	AA427396	Hs.108037	Hs.264957	ESTs		2202.004	
GF203	502393	AA156947	Hs.50861	Hs.50861	sir2-like 4	SIRT4	2201.953	1.28024245
GF202	811775	AA463453	Hs.23259	Hs.23259	ESTs, Weakly similar to ACTIN, CYTOPLASMIC 2		2201.166	-1.0548818
GF204	1035664	AA780365	Hs.122161	Hs.122161	[H.sapiens]		2200.231	
GF202	593652	AA166703	Hs.93589	Hs.93589	ESTs		2200.034	1.41406991
GF203	450160	AA703453	Hs.110488	Hs.110488	KIAA0990 protein	KIAA0990	2199.67	1.04401566
GF204	300284	N75806	Hs.109697	Hs.109697	ESTs		2199.609	
GF203	283878	N52591	Hs.28631	Hs.28631	ESTs		2197.936	-1.0169393
GF203	755777	AA496666	Hs.13288	Hs.267194	ESTs		2197.552	1.13579966
GF201	429299	AA007370	Hs.17674	Hs.17674	ESTs		2195.915	
GF200	138533	R63219	Hs.101460	Hs.28399	ESTs, Weakly similar to !!! ALU CLASS B WARNING		2194.952	-1.0663935
GF203	196544	R91566	Hs.34471	Hs.184183	ENTRY !!!! [H.sapiens] ESTs		2194.878	1.09702899

APPENDIX A

GF202	112488	T91039	Hs.16781	Hs.16781	ESTs	2194.725	1.24564078
GF203	701677	AA287067	Hs.92402	Hs.153177	ribosomal protein S28	2193.304	2.00601722
GF203	43815	H05741	Hs.101643	Hs.101643	ESTs	2193.046	-2.2990282
GF203	666028	AA193569	Hs.85885	Hs.85885	ESTs	2192.179	-1.2270914
GF201	503819	AA131664	Hs.31889	Hs.31889	ESTs	2192.133	
GF200	666639	AA233339	Hs.18389	Hs.170098	KIAA0372 gene product	2190.785	1.13986223
GF203	208050	H59788	Hs.55862	Hs.26484	HIRA-interacting protein 3	2187.853	1.35036275
GF201	51991	H23229	Hs.19776	Hs.106730	chromosome 22 open reading frame 3	2187.046	
GF203	209383	H64147	Hs.114004	Hs.180414	heat shock 70kD protein 10 (HSC71)	2186.937	-1.1246472
GF202	743377	AA400514	Hs.97816	Hs.221988	ESTs	2186.467	1.22688378
GF202	811072	AA485445	Hs.105666	Hs.217583	ESTs	2185.19	1.03803855
GF203	753271	AA411669	Hs.74947	Hs.6298	Homo sapiens mRNA for KIAA1151 protein, partial cds	2185.005	1.28360757
GF203	786295	AA451867	Hs.99255	Hs.99255	ESTs	2184.372	1.90413652
GF201	287762	N62248	Hs.48498	Hs.98006	ESTs	2183.338	
GF200	247710	N58198	Hs.14385	Hs.182898	ESTs	2183.281	1.66908958
GF202	249953	H95956	Hs.108750	Hs.146278	ESTs	2183.279	2.02220314
					procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide (protein disulfide isomerase; thyroid hormone binding protein p55)		
GF203	769542	AA426212	Hs.75655	Hs.75655	P4HB	2182.648	-1.1349892
GF203	1239995	AA706738	Hs.76611	Hs.76611	ESTs	2182.234	-1.1458762
GF203	203179	H54659	Hs.51929	Hs.268942	ESTs	2181.461	-1.2971646
					solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6		
GF203	853570	AA663439	Hs.74550	Hs.164280	SLC25A6	2180.607	2.74872486
					Homo sapiens mRNA full length insert cDNA clone		
GF201	45912	H09343	Hs.27261	Hs.27261	EUROIMAGE 45912	2179.819	
GF201	304854	N93191	Hs.26216	Hs.26216	ESTs	2179.651	



APPENDIX A

GF200	166004	R87406	Hs.85087	Hs.85087	latent transforming growth factor beta binding protein 4	LTP4	2179.545	1.08279685
GF200	142122	R69355	Hs.80306	Hs.80306	Homo sapiens mRNA, clone:RES4-4		2177.66	1.09671953
GF202	588262	AA132409	Hs.22268	Hs.202737	ESTs		2177.607	1.24280152
GF202	731456	AA412259	Hs.98122	Hs.98122	ESTs		2176.981	-1.1122862
GF202	773512	AA427947	Hs.22049	Hs.22049	Homo sapiens chromosome 19, cosmid R28379		2176.833	-1.1642365
GF201	489881	AA121504	Hs.83888	Hs.244487	ESTs		2176.048	
GF202	629885	AA219047	Hs.86786	Hs.86786	EST		2175.585	1.36177861
GF201	435855	AA701554	Hs.80234	Hs.153618	H.sapiens mRNA for hcgVIII protein		2169.893	
GF202	417307	W90002	Hs.83617	Hs.83617	EST		2169.141	1.25014718
GF200	298155	N70794	Hs.79158	Hs.79158	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	ACADM	2168.491	
GF201	258033	N30316	Hs.92174	Hs.260789	EST		2168.36	1.18212646
GF203	753213	AA06363	Hs.30822	Hs.30822	Homo sapiens cDNA FLJ11110 fis, clone PLACE1005921, weakly similar to AIG1 PROTEIN		2168.305	1.05934062
GF201	428811	AA004684	Hs.58440	Hs.58440	ESTs		2167.331	
GF201	491157	AA114864	Hs.12253	Hs.12253	ESTs		2166.463	
GF202	418113	W90105	Hs.94942	Hs.94942	EST		2166.226	-1.4458194
GF203	278004	N63448	Hs.44114	Hs.44114	ESTs, Weakly similar to CGI-73 protein [H.sapiens]		2165.97	1.24727766
GF201	321931	W37721	Hs.55590	Hs.151363	ESTs		2165.562	
GF202	52232	H23270	Hs.101773	Hs.101773	ESTs		2165.125	-1.353508
GF201	134419	R31681	Hs.106250	Hs.8203	Homo sapiens cDNA FLJ20749 fis, clone HEP05301		2165.081	
GF203	417803	W88753	Hs.131710	Hs.166406	ESTs, Highly similar to hypothetical protein [H.sapiens]		2163.681	-1.3460159
GF204	115114	T86687	Hs.51693	Hs.268595	ESTs		2163.104	
GF202	304927	N93122	Hs.44380	Hs.44380	ESTs		2162.746	1.01230021

APPENDIX A

GF204	1034668	AA779862	Hs.122121	Hs.122121	ESTs	2162.107	
GF204	712146	AA281466	Hs.129931	Hs.191543	ESTs	2161.743	
GF202	787925	AA452282	Hs.14953	Hs.14953	ESTs, Moderately similar to HYPOTHETICAL PROTEIN	2161.571	-1.35477
GF203	1240503	AA789015	Hs.124020	Hs.124020	KIAA0144 [H.sapiens] ESTs	2161.57	-1.0369329
GF202	20064	R44955	Hs.22910	Hs.22910	ESTs, Moderately similar to !!! ALU SUBFAMILY SQ	2161.152	1.13332758
GF202	280264	N47951	Hs.57485	Hs.57485	WARNING ENTRY !!!! [H.sapiens] ESTs	2161.068	1.76136784
GF204	1591622	AA983467	Hs.9315	Hs.9315	ESTs, Weakly similar to NEURONAL		
GF200	949932	AA599175	Hs.74497	Hs.74497	OLFACTOMEDIN-RELATED ER LOCALIZED PROTEIN	2160.832	
GF202	279197	N46863	Hs.76561	Hs.76561	[H.sapiens] nuclease sensitive element		
GF203	219676	H84229	Hs.26292	Hs.218619	binding protein 1	2160.83	1.19457055
GF204	435998	AA703222	Hs.118317	Hs.118317	ESTs, Weakly similar to finger protein HZF10, Krueppel- related [H.sapiens] ESTs	2158.724	1.55384987
					ESTs	2158.192	-1.0898954
					Homo sapiens cDNA FLJ11330 fis, clone PLACE1010529	2157.677	
GF203	745218	AA626869	Hs.21712	Hs.21712	ESTs	2157.547	1.4132785
GF201	324659	AA284279	Hs.103079	Hs.55982	ESTs	2157.297	
GF200	243878	N45263	Hs.44970	Hs.44970	ESTs	2155.205	1.08415541
GF200	120113	T95262	Hs.17538	Hs.17538	ESTs	2154.383	1.16654001
GF203	172785	H20046	Hs.44978	Hs.44978	ESTs	2153.069	-1.491733
GF203	435126	AA701328	Hs.114054	Hs.228536	ESTs	2153.049	-1.243893
GF201	49475	H16686	Hs.52798	Hs.165195	ESTs	2153.019	
GF203	322136	W37532	Hs.114617	Hs.242327	ESTs	2152.791	-1.0751262
GF200	263200	H99544	Hs.89673	Hs.153445	Human mRNA for unknown product, partial cds	2152.198	-1.1488576
GF204	1540408	AA927170	Hs.23290	Hs.23290	ESTs	2152.153	

APPENDIX A

GF202	248027	N58372	Hs.109302	Hs.109302	ESTs	2151.399	1.34992452
GF202	490536	AA126694	Hs.70944	Hs.70944	ESTs	2150.775	1.28364129
GF201	428912	AA004811	Hs.18157	Hs.261162	ESTs	2150.504	
GF203	50743	H17927	Hs.42644	Hs.42644	thioredoxin-like	2150.464	1.13246091
GF204	181805	H28458	Hs.113867	Hs.27463	ESTs	2148.865	
GF202	304963	N93141	Hs.54901	Hs.54901	ESTs	2144.65	-1.3421237
GF201	782669	AA447583	Hs.32241	Hs.32241	ESTs	2143.448	
				exportin 1 (CRM1, yeast, homolog)			
GF200	74566	T59055	Hs.79090	Hs.79090	XPO1	2143.213	1.36492256
GF203	395898	AA757464	Hs.121227	Hs.74711	splicing factor similar to dnaJ	2142.973	-1.2414879
GF203	701070	AA287269	Hs.15681	Hs.15681	ESTs	2139.385	-1.6579625
				huntingtin-interacting protein 2			
GF200	233581	H78483	Hs.84713	Hs.155485	HIP2	2139.291	-1.0581976
GF203	195330	R92124	Hs.81980	Hs.278422	DKFZP586G1122 protein	2138.242	-1.6283545
GF202	280022	N56906	Hs.47996	Hs.47996	EST	2136.706	-1.1205793
GF200	123858	R00766	Hs.18965	Hs.268657	ESTs	2135.915	-1.5797483
GF204	39811	R53927	Hs.78035	Hs.198281	pyruvate kinase, muscle	2133.879	
GF201	323260	W42736	Hs.40810	Hs.110298	ESTs	2132.25	
GF204	856958	AA669669	Hs.120860	Hs.120860	ESTs	2131.038	
				MKP-1 like protein tyrosine phosphatase			
GF200	565493	AA129677	Hs.91448	Hs.91448	MKP-L	2130.583	1.31758538
GF201	259301	N32860	Hs.24611	Hs.24611	ESTs	2124.8	
GF200	810321	AA464147	Hs.16642	Hs.159604	cysteinyl-tRNA synthetase	2124.757	-1.1853299
GF201	845453	AA644191	Hs.82105	Hs.182215	ADP-ribosylation factor-like 3	2124.339	
				nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha			
GF200	340734	W55872	Hs.81328	Hs.81328	NFKBIA	2123.858	1.00432019
GF200	245426	N77205	Hs.47908	Hs.199179	RAN binding protein 2	2120.721	1.60083109
				ESTs, Weakly similar to APOLIPOPROTEIN(A)			
				PRECURSOR [H.sapiens]			
GF204	1643514	A1023507	Hs.119645	Hs.166402	KIAA0574 protein	2120.553	
GF202	43022	R60152	Hs.7132	Hs.7132	ESTs	2119.707	1.13495549
GF202	309556	N94404	Hs.55045	Hs.55045	ESTs	2119.072	1.3026755
GF202	286566	N67305	Hs.102812	Hs.269341	ESTs	2118.352	1.06656328

APPENDIX A

GF204	1416092	AA878213	Hs.68848	Hs.131668	Homo sapiens partial mRNA for choline dehydrogenase (chdh gene)	2116.202	
GF204	462775	AA706094	Hs.120887	Hs.194305	ESTs	2115.676	
GF203	1473131	AA873564	Hs.76103	Hs.173063	transducin-like enhancer of split 2, homolog of Drosophila E(sp1)	2115.588	-1.4921246
GF203	324719	W47366	Hs.10452	Hs.167130	hypothetical protein	2115.179	-1.2407983
GF204	853493	AA663552	Hs.116915	Hs.269511	ESTs	2113.201	
GF200	120701	T95668	Hs.56712	Hs.277543	KIAA0631 protein	2112.756	1.22610886
GF200	788247	AA452509	Hs.82919	Hs.82919	cullin 2	2112.236	1.02515623
GF202	782698	AA447598	Hs.99122	Hs.99122	EST	2112.212	1.06055343
GF202	730970	AA416552	Hs.104793	Hs.82407	ESTs	2111.933	-1.0999198
					Homo sapiens cDNA		
GF201	310894	W19329	Hs.7134	Hs.272972	FLJ20185 fis, clone	2111.717	
GF203	725622	AA293206	Hs.10852	Hs.10852	COLF0307	2111.532	-1.1065774
GF204	454981	AA676636	Hs.130186	Hs.130186	ESTs	2111.05	
GF203	265627	N2828	Hs.41528	Hs.41528	ESTs, Weakly similar to LDOC1 protein [H.sapiens]	2110.971	1.98105295
GF200	823940	AA490213	Hs.79558	Hs.178137	transducer of ERBB2, 1	2108.182	-1.3093132
GF203	269681	N24789	Hs.32511	Hs.32511	KIAA0441 gene product	2107.799	-1.1164622
					dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)		
GF200	815564	AA456824	Hs.401	Hs.250801	DLST	2107.536	-1.1353403
GF203	42864	R61877	Hs.91843	Hs.133707	EST, Moderately similar to collagen alpha 5(IV) chain precursor, renal splice form [H.sapiens]	2107.058	-1.1635579
GF201	770681	AA476285	Hs.105014	Hs.17483	CD4 antigen (p55)	2106.735	
GF202	595593	AA167273	Hs.28047	Hs.158287	KIAA0468 gene product	2105.734	-1.8630459
					Homo sapiens cDNA		
GF201	782684	AA447579	Hs.77570	Hs.58382	FLJ11101 fis, clone	2105.479	
GF204	1474331	AA922703	Hs.128757	Hs.128757	PLACE1005623	2105.473	
					ESTs		

APPENDIX A

GF201	236282	H61193	Hs.2157	Wisnott-Aldrich syndrome (eczema-thrombocytopenia)	WAS	2105.312
GF200	772455	AA405562	Hs.2903	protein phosphatase 4 (formerly X), catalytic subunit	PPP4C	2105.111
GF201	454190	AA677083	Hs.184592	KIAA0344 gene product	KIAA0344	2104.98
GF201	731002	AA416664	Hs.118778	KDEL (Lys-Asp-Glu-Leu)	KDEL	-1.2341537
GF201	51606	H18936	Hs.22347	endoplasmic reticulum protein	KDEL2	2104.45
GF203	262268	H99430	Hs.42683	retention receptor 2	ESTs	2104.07
GF201	757248	AA426053	Hs.40300	ESTs	ESTs	2103.407
GF204	1492382	AA894965	Hs.131928	calpain, large polypeptide L3	CAPN3	2103.148
GF201	325001	W49583	Hs.34941	ESTs	ESTs	2103.137
GF204	39725	R54494	Hs.25910	growth differentiation factor 11	GDF11	2103.09
GF203	204437	H58004	Hs.124989	Homo sapiens mRNA; cDNA	Homo sapiens mRNA; cDNA	
GF202	796266	AA460826	Hs.22260	DKFZp564C1416 (from clone)	DKFZp564C1416	2102.115
GF202	273421	N36873	Hs.93817	ESTs	ESTs	2101.031
GF200	126320	R06417	Hs.2340	ESTs	ESTs	2100.637
GF204	1637279	A1005513	Hs.183969	junction plakoglobin	JUP	2099.917
GF200	110987	T90369	Hs.15132	ESTs, Moderately similar to !!!	ESTs, Moderately similar to !!!	2099.455
GF204	124611	R02381	Hs.113049	ALU SUBFAMILY SX	ALU SUBFAMILY SX	
GF200	46154	H09065	Hs.106674	WARNING ENTRY !!!!	WARNING ENTRY !!!!	
GF203	435567	AA701931	Hs.119647	[H.sapiens]	[H.sapiens]	2099.127
GF202	310501	N98513	Hs.55200	EST	EST	2098.488
GF204	461351	AA699782	Hs.78061	EST	EST	2097.138
GF200	46154	H09065	Hs.106674	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)	BAP1	2095.044
GF203	435567	AA701931	Hs.119647	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)	BAP1	2095.044
GF202	310501	N98513	Hs.55200	ESTs	ESTs	2093.795
GF204	461351	AA699782	Hs.78061	ESTs	ESTs	2093.409
GF200	46154	H09065	Hs.106674	transcription factor 21	TCF21	2091.097
GF203	435567	AA701931	Hs.119647			1.19254434
GF202	310501	N98513	Hs.55200			-1.3250478
GF204	461351	AA699782	Hs.78061			-1.0349012

APPENDIX A

GF202	504290	AA149579	Hs.71990	Hs.118258	prostate cancer associated protein 1	PCANAP1	2090.322	-1.2986949
GF200	700699	AA285073	Hs.54411	Hs.54411	putative T1/ST2 receptor binding protein	IL1RL1LG	2089.776	1.14718067
GF201	810305	AA463961	Hs.13996	Hs.13996	ESTs		2088.124	
GF203	823609	AA496955	Hs.109008	Hs.43213	ESTs		2086.915	1.59703498
GF200	789091	AA453105	Hs.28777	Hs.28777	H2A histone family, member L	H2AFL	2086.736	1.12510642
GF203	431974	AA678386	Hs.19985	Hs.19985	ESTs		2086.56	-1.3135163
GF203	28260	R40885	Hs.26344	Hs.26344	ESTs		2086.302	-1.1551626
GF200	781704	AA431611	Hs.77558	Hs.77558	thyroid hormone receptor interactor 7	TRIP7	2083.786	1.31785808
GF203	222022	H83310	Hs.83796	Hs.165200	ESTs		2082.887	-1.1772521
GF202	757337	AA437099	Hs.45032	Hs.45032	ESTs		2081.392	1.30645469
GF204	1641737	A1024655	Hs.95631	Hs.95631	Human normal keratinocyte mRNA		2080.885	
GF200	127519	R08876	Hs.76887	Hs.178761	26S proteasome-associated pad1 homolog	POH1	2079.211	1.07022931
GF202	276438	N40202	Hs.45059	Hs.45059	EST		2078.628	1.08429376
GF200	128302	R11526	Hs.2032	Hs.171814	parathymosin	PTMS	2078.25	-1.4004249
GF201	32962	R43910	Hs.22545	Hs.22545	ESTs		2076.336	
GF204	490766	AA133165	Hs.5693	Hs.274151	Homo sapiens cDNA FLJ10990 fis, clone PLACE1002046, highly similar to LIGATIN		2075.97	
GF201	270038	N27829	Hs.108844	Hs.10018	ESTs		2075.797	
GF203	451911	AA706969	Hs.10064	Hs.169549	Homo sapiens cDNA FLJ20590 fis, clone KAT09052		2075.267	-2.2390808
GF201	289530	N59249	Hs.48349	Hs.48349	ESTs		2075.087	
GF201	324225	W47350	Hs.17466	Hs.17466	retinoic acid receptor responder (tazarotene induced) 3	RARRES3	2074.385	
GF201	282108	N51499	Hs.108870	Hs.42322	A kinase (PRKA) anchor protein 2	AKAP2	2073.8	
GF201	270535	N33228	Hs.108804	Hs.269060	ESTs		2073.62	

APPENDIX A

GF200	124014	R02663	Hs.19383	Hs.19383	ESTs	2072.841	-1.1557358
GF201	347613	W81504	Hs.55762	Hs.265640	ESTs	2072.009	
GF203	770398	AA430653	Hs.102795	Hs.267527	phosphorylated adaptor for RNA export	2071.291	1.12258311
GF202	37823	R59473	Hs.11307	Hs.11307	ESTs, Weakly similar to similar to Glutaredoxin, Zinc finger, C3HC4 type	2070.922	1.50706056
GF201	199334	R95913	Hs.103189	Hs.103189	[C.elegans] ESTs	2070.625	
GF201	40364	R54822	Hs.26244	Hs.26244	Homo sapiens cDNA FLJ10052 fis, clone HEMBA1001286, weakly similar to COMPLEMENT DECAY-ACCELERATING FACTOR PRECURSOR	2070.017	
GF201	782701	AA447610	Hs.32244	Hs.32244	ESTs	2069.164	
GF202	950678	AA608556	Hs.108689	Hs.272739	ESTs	2068.5	-1.6554897
GF203	383900	AA700935	Hs.113344	Hs.113344	ESTs	2067.436	1.26190939
GF201	1031203	AA609982	Hs.103989	Hs.103989	DNA-binding transcriptional activator	2067.243	
GF201	810497	AA457162	Hs.94875	Hs.94875	ESTs	2066.471	
GF200	208001	H60549	Hs.77904	Hs.119663	CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344)	2065.419	1.01845018
GF200	208001	H60549	Hs.119663	Hs.119663	CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344)	2065.419	1.01845018
GF203	248912	H82244	Hs.35255	Hs.268061	ESTs	2065.117	1.40332171
GF200	824024	AA491124	Hs.73956	Hs.73956	NAD(P)H menadione oxidoreductase 2, dioxin-inducible	2062.429	1.02033139
GF203	246851	N59109	Hs.117823	Hs.117823	ESTs	2062.354	-1.2862445

APPENDIX A

GF201	417497	W88801	Hs.58925	Hs.58925	ESTs	2062.156
GF203	1049048	AA778683	Hs.119187	Hs.119187	ESTs	-1.7506288
GF202	320345	W16792	Hs.55375	Hs.55375	EST	1.10182654
GF203	785537	AA450353	Hs.48448	Hs.48448	ESTs	-1.2723497
GF204	1031007	AA635185	Hs.116866	Hs.220963	ESTs	2060.952
GF203	296669	N74014	Hs.118181	Hs.209639	ESTs	2060.669
GF200	120631	T95238	Hs.17529	Hs.17529	ESTs	2060.167
GF200	128260	R09873	Hs.70457	Hs.198135	KIAA0993 protein	2059.807
GF200	295866	N67006	Hs.33985	Hs.182014	ESTs	2059.262
GF202	884500	AA629987	Hs.75776	Hs.143482	peptidylprolyl isomerase D (cyclophilin D)	2059.05
GF204	743884	AA634466	Hs.6162	Hs.6162	KIAA0771 protein	2057.904
GF201	22895	R38640	Hs.89584	Hs.89584	insulinoma-associated 1	2057.754
GF201	241330	H91245	Hs.41389	Hs.269016	ESTs	2055.782
GF204	491500	AA152202	Hs.76281	Hs.274417	Homo sapiens HSPC183 mRNA, complete cds	2055.774
GF202	811840	AA463630	Hs.79507	Hs.79507	KIAA0582 protein	2055.049
GF204	858567	AA774159	Hs.10788	Hs.180391	ESTs	2054.84
GF203	399318	AA774638	Hs.84316	Hs.165843	casein kinase 2, beta polypeptide	2054.463
GF202	781012	AA446016	Hs.75425	Hs.75425	Homo sapiens ubiquitin-associated protein (NAG20) mRNA, complete cds	2051.04
GF201	67187	T52652	Hs.81827	Hs.75431	fibrinogen, gamma polypeptide FG	2050.213
GF202	565949	AA136541	Hs.71647	Hs.230143	EST	-1.143822
GF200	199602	R96586	Hs.35583	Hs.163630	ESTs	-1.5414003
GF204	1505857	AA909912	Hs.128617	Hs.222079	ESTs	2042.731
GF203	122782	T99719	Hs.129586	Hs.270404	ESTs, Moderately similar to INTEGRAL MEMBRANE GLYCOPROTEIN GP210	2041.051
GF201	795181	AA453473	Hs.25314	Hs.25314	PRECURSOR [R.norvegicus]	-1.6844444
GF202	50782	H17024	Hs.64000	Hs.176583	Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 25206	2040.542
					EST	2040.402
						-1.3745818



## APPENDIX A

GF201	490994	AA136699	Hs.71657	Hs.71657	ESTs	2040.299	
GF204	878403	AA670353	Hs.108082	Hs.108082	ESTs, Weakly similar to Ydr472wp [S.cerevisiae]	2039.818	
GF203	293819	N65985	Hs.124696	Hs.124696	ESTs, Weakly similar to ESTRADIOL 17 BETA-DEHYDROGENASE 4 [H.sapiens]	2037.935	1.15426888
GF202	1049257	AA620736	Hs.112893	Hs.112893	ESTs	2036.825	-1.7399148
GF203	287634	N59131	Hs.11672	Hs.145365	Homo sapiens mRNA for KIAA1336 protein, partial cds	2035.949	1.07941994
GF202	324655	W47101	Hs.126256	Hs.126256	interleukin 1, beta	2035.686	1.18826518
GF204	511236	AA088695	Hs.95522	Hs.228062	EST	2033.27	
GF201	207932	H60514	Hs.108206	Hs.194140	ESTs	2032.782	
GF200	325102	W49715	Hs.108956	Hs.171391	C-terminal binding protein 2	2031.658	1.07309073
GF202	565110	AA128462	Hs.53446	Hs.194290	ESTs	2031.308	-1.201435
GF200	127677	R09691	Hs.24411	Hs.119523	transformer-2 alpha (htra-2 alpha)	2027.989	1.54258524
GF203	1161797	AA876054	Hs.20019	Hs.20019	hemochromatosis	2026.545	1.17142176
GF201	266161	N21592	Hs.39001	Hs.39001	ESTs	2024.426	
GF202	743054	AA406081	Hs.98006	Hs.98006	ESTs	2023.776	-1.4122181
GF201	23588	R38369	Hs.66159	Hs.66159	Homo sapiens mRNA for KIAA1399 protein, partial cds	2022.109	
GF200	289923	N64607	Hs.41732	Hs.41732	zinc finger protein 35 (clone HF.10)	2021.707	-1.112641
GF200	110503	T82817	Hs.4245	Hs.4245	FOS-like antigen-1	2020.902	1.97620759
GF203	815230	AA481256	Hs.88201	Hs.88201	ESTs, Weakly similar to lysophospholipase [H.sapiens]	2019.045	-1.0707406
GF204	1517497	AA903056	Hs.128520	Hs.128520	EST, Highly similar to R28830_2 [H.sapiens]	2018.868	
GF200	143995	R77103	Hs.29596	Hs.29596	Homo sapiens mRNA from chromosome 5q21-22, clone: FBR89	2017.87	1.63728944
GF200	197776	R93507	Hs.35139	Hs.8207	ESTs	2017.673	1.24542142

102020 8626860

## APPENDIX A

GF201	896962	AA676663	Hs.73966	Hs.127610	acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain ESTs	ACADS	2016.911	1.96486315
GF200	203772	H56088	Hs.34498	Hs.269069	ESTs, Weakly similar to similar to SP:YR40_BACSU [C.elegans] ESTs		2016.374	
GF201	782787	AA448189	Hs.57436	Hs.103147			2016.358	-1.5412598
GF203	647598	AA205838	Hs.96278	Hs.269386			2016.262	
GF201	305122	N92611	Hs.108575	Hs.155103	eukaryotic translation initiation factor 1A, Y chromosome ESTs	EIF1AY	2014.32	
GF204	731289	AA416753	Hs.124069	Hs.191599	cyclin-dependent kinase 4 ESTs, Weakly similar to !!!!	CDK4	2014.301	-1.1505432
GF200	842806	AA486312	Hs.95577	Hs.95577	ALU SUBFAMILY J WARNING ENTRY !!!!		2014.236	
GF204	365990	AA063608	Hs.23817	Hs.175652	[H.sapiens] interleukin 4 receptor	IL4R	2014.013	1.13856045
GF200	714453	AA292025	Hs.75545	Hs.75545	caltractin (20kD calcium-binding protein)	CALT	2013.851	-1.1126136
GF203	291216	N72193	Hs.82794	Hs.82794	POU domain, class 4, transcription factor 1	POU4F1	2013.469	
GF201	773568	AA428196	Hs.74095	Hs.211588	peptidylprolyl isomerase F (cyclophilin F)	PPIF	2013.028	-1.0148751
GF202	758343	AA404286	Hs.111874	Hs.173125	Human DNA sequence from clone RP5-876B10 on chromosome 1q42.12-43. Contains the 3' end of the GNPAT gene for glyceronephosphate O-acetyltransferase (DHAPAT, DAPAT, dihydroxyacetone phosphate acyltransferase, EC 2.3.1.42), the gene for a novel protein (ortho		2012.524	
GF203	36495	R46825	Hs.23971	Hs.23971			2011.774	-1.0988772

"FO2020" 86226860

## APPENDIX A

GF200	380057	AA046411	Hs.84084	Hs.84084	amyloid beta precursor protein (cytoplasmic tail)-binding protein 2	2011.398	1.18597804
GF204	25395	R17746	Hs.84469	Hs.84469	ESTs	2009.138	
GF201	68667	T49854	Hs.9069	Hs.173705	ESTs, Weakly similar to !!!	2008.372	
GF202	285076	N67553	Hs.16917	Hs.188614	ALU CLASS C WARNING ENTRY !!!! [H.sapiens]	2007.719	-1.5506256
GF200	47853	H11346	Hs.77448	Hs.77448	aldehyde dehydrogenase 4 (glutamate gamma-semialdehyde dehydrogenase; pyrroline-5-carboxylate dehydrogenase)	2006.896	-1.2711102
GF202	265087	N20810	Hs.42897	Hs.132230	ESTs	2004.795	1.87766057
GF203	853006	AA668230	Hs.7153	Hs.7153	L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain	2004.229	2.29792996
GF202	529827	AA071045	Hs.109836	Hs.47334	ESTs, Moderately similar to !!!	2003.662	-1.4026837
GF201	810803	AA458879	Hs.98046	Hs.119394	ALU SUBFAMILY SQ WARNING ENTRY !!!!	2003.203	
GF204	1048592	AA608859	Hs.121554	Hs.121554	[H.sapiens] ESTs, Weakly similar to CYSTATIN SA PRECURSOR [H.sapiens]	2002.275	
GF201	345793	W70128	Hs.107703	Hs.108708	calcium/calmodulin-dependent protein kinase 2, beta	2001.763	
GF204	1492251	AA875960	Hs.24142	Hs.226422	ESTs	2001.346	
GF203	208897	H63763	Hs.35791	Hs.205559	ESTs	2001.052	1.1975388
GF201	49472	H16584	Hs.22516	Hs.22516	ESTs	1997.81	
GF201	323084	W42674	Hs.55855	Hs.264636	Homo sapiens cDNA	1997.557	-1.4895161
GF202	730294	AA412512	Hs.98144	Hs.98144	FLJ20731 fis, clone HEP10272	1997.388	
GF202	262927	H99704	Hs.108887	Hs.108887	ESTs	1997.359	-1.2751243

APPENDIX A

GF203	413027	AA707781	Hs.120045	Hs.220482	ESTs		1996.987	-1.0033526
					RAS p21 protein activator (GTPase activating protein) 1	RASA1		
GF200	815507	AA457027	Hs.758	Hs.758	ESTs		1996.395	1.30612794
GF203	449420	AA777873	Hs.121961	Hs.269648			1995.812	2.16931135
GF203	1461138	AA868008	Hs.46423	Hs.46423	H4 histone family, member G	H4FG	1995.167	-1.2561565
GF200	563444	AA112660	Hs.23269	Hs.155591	forkhead box F1	FOXF1	1995.125	-1.2021768
GF200	563444	AA112660	Hs.77288	Hs.155591	forkhead box F1	FOXF1	1995.125	-1.2021768
					Homo sapiens cDNA			
					FLJ10632 fis, clone			
GF201	240109	H82421	Hs.102260	Hs.202596	NT2RP2005637		1993.926	
GF200	244205	N52980	Hs.32062	Hs.32062	ESTs		1992.896	1.55852923
GF200	207379	H58884	Hs.17927	Hs.16621	DKFZP434I116 protein	DKFZP434I116	1990.453	-1.3051986
GF203	152293	H04771	Hs.107365	Hs.209100	DKFZP434C171 protein	DKFZP434C171	1989.814	-1.3967816
GF203	1240385	AA788767	Hs.122364	Hs.122364	ESTs		1987.632	1.0093909
					Homo sapiens mRNA; cDNA			
					DKFZp564G212 (from clone			
GF202	347763	W81606	Hs.58662	Hs.58662	DKFZp564G212)		1987.367	-1.6995809
GF200	214614	H73661	Hs.93345	Hs.267812	sorting nexin 4	SNX4	1987.244	1.19026867
					RNA binding motif protein, X			
GF202	796161	AA461092	Hs.115576	Hs.146381	chromosome	RBMX	1986.283	1.09743182
GF203	149855	H01068	Hs.107320	Hs.268768	ESTs		1985.997	-1.1806503
GF201	49318	H15718	Hs.83341	Hs.83341	AXL receptor tyrosine kinase	AXL	1985.85	
					CD59 antigen p18-20 (antigen			
					identified by monoclonal			
					antibodies 16.3A5, EJ16,			
GF200	208001	H60549	Hs.77904	Hs.119663	EJ30, EL32 and G344)	CD59	1985.742	1.0786671
					CD59 antigen p18-20 (antigen			
					identified by monoclonal			
					antibodies 16.3A5, EJ16,			
GF200	208001	H60549	Hs.119663	Hs.119663	EJ30, EL32 and G344)	CD59	1985.742	1.0786671
GF201	84229	T72825	Hs.12157	Hs.83313	ESTs		1984.47	
GF203	682073	AA256476	Hs.88033	Hs.88033	EST		1982.743	-1.0816795

102040" 36426860

## APPENDIX A

GF201	758304	AA404241	Hs.22681	Hs.194686	solute carrier family 25 (mitochondrial carrier, brain), member 14 ESTs	SLC25A14	1982.72	1.42453117
GF203	431843	AA678058	Hs.117380	Hs.188532			1980.062	
GF200	784319	AA447098	Hs.78634	Hs.202669	thiopurine S-methyltransferase TPMT hypothetical protein ESTs	CLONE25003	1978.951	1.06168921
GF204	744044	AA629251	Hs.22241	Hs.22241			1977.701	
GF204	731283	AA416631	Hs.8116	Hs.8116	ESTs, Moderately similar to alternatively spliced product using exon 13A [H.sapiens]		1977.367	
GF204	884951	AA629668	Hs.121675	Hs.269629	KIAA0637 gene product	KIAA0637	1976.746	-1.0449145
GF203	827165	AA521298	Hs.13604	Hs.13604	Homo sapiens clone 23716 mRNA sequence		1976.687	
GF201	782503	AA431773	Hs.12214	Hs.12214	nucleosome assembly protein 1-like 1	NAP1L1	1976.113	
GF200	275871	R93875	Hs.85602	Hs.179662	similar to mouse neuronal protein 15.6	FLJ20494	1975.708	1.19615442
GF203	824843	AA488865	Hs.111497	Hs.111497	ESTs		1975.035	1.29360603
GF201	288849	N62601	Hs.106111	Hs.169104	ESTs		1974.726	
GF200	246143	N52406	Hs.15833	Hs.15833	EST		1974.442	-1.3468114
GF204	1466598	AA883652	Hs.125483	Hs.125483	CD9 antigen (p24)	CD9	1974.37	-1.2166021
GF200	727251	AA412053	Hs.1244	Hs.1244	nuclear domain 10 protein	NDP52	1973.947	
GF201	214985	H72030	Hs.75406	Hs.154230	ribosomal protein S24	RPS24	1973.209	
GF204	1055201	AA626146	Hs.116126	Hs.180450	ESTs		1972.57	
GF201	46236	H10661	Hs.30988	Hs.192124	calumenin	CALU	1972.455	1.37130364
GF200	144881	R78585	Hs.7753	Hs.7753	ESTs		1970.383	
GF201	50805	H17634	Hs.31497	Hs.11859	ESTs		1968.847	
GF203	754218	AA479148	Hs.18459	Hs.18459	ESTs		1968.835	1.06106505
GF203	450353	AA703640	Hs.121060	Hs.187459	ESTs		1968.081	-1.2546735
ESTs, Weakly similar to cDNA								
GF203	247469	N58073	Hs.16361	Hs.16361	EST EMBL:C08125 comes from this gene [C.elegans]		1967.869	-1.2798883
GF201	810960	AA459401	Hs.69423	Hs.69423	kallikrein 10 ornithine	KLK10	1967.641	
GF203	454466	AA677326	Hs.117050	Hs.117050	carbamoyltransferase	OTC	1967.19	-1.0754274

APPENDIX A

GF200	128795	R16769	Hs.100873	Hs.185689	ESTs		1966.731	1.43348629
GF202	629944	AA219282	Hs.110503	Hs.172506	myosin VB	MYO5B	1965.115	1.38843857
GF203	120108	T95053	Hs.8114	Hs.68398	period (Drosophila) homolog 1	PER1	1964.999	1.02944691
GF203	768394	AA495809	Hs.105363	Hs.105363	EST		1964.968	1.61291304
					MADS box transcription			
					enhancer factor 2, polypeptide			
					A (myocyte enhancer factor			
					2A)	MEF2A	1964.966	1.04520636
					nuclear factor (erythroid-			
					derived 2), 45kD	NFE2	1964.89	1.09247529
					ESTs		1963.156	
					small nuclear RNA activating			
GF200	322759	W39639	Hs.30174	Hs.30174	complex, polypeptide 5, 19kD	SNAPC5	1961.393	1.1093673
GF201	489220	AA056734	Hs.22479	Hs.22479	KIAA1110 protein	KIAA1110	1960.694	
					glucosamine (N-acetyl)-6-			
					sulfatase (Sanfilippo disease			
					IIID)	GNS	1958.052	1.44746624
GF200	340840	W56627	Hs.3774	Hs.164036	hypothetical protein	FLJ20247	1957.833	
GF204	460439	AA677562	Hs.115095	Hs.96593	DKFZP564N1363 protein	DKFZP564N1363	1956.807	
GF204	814210	AA465214	Hs.11314	Hs.11314	interferon (alpha, beta and			
					omega) receptor 1	IFNAR1	1956.752	
GF201	287687	N59150	Hs.1513	Hs.1513	polymerase (RNA) II (DNA			
					directed) polypeptide D	POLR2D	1956.415	
GF201	49548	H15431	Hs.15355	Hs.194638	ESTs		1955.493	1.578993264
GF202	594693	AA165313	Hs.55468	Hs.131189	EST		1954.819	1.35694356
GF202	1031991	AA610000	Hs.112799	Hs.112799	ESTs		1954.383	
GF201	782277	AA431749	Hs.34665	Hs.34665	ESTs		1954.098	-1.338502
GF202	263047	N20045	Hs.108923	Hs.108923	ESTs		1953.173	1.51575669
GF202	512417	AA059347	Hs.95369	Hs.95369	ESTs		1953.134	1.55291392
GF200	110503	T89996	RG.3	Hs.4245	FOS-like antigen-1	FOSL1		
					regulator of G-protein			
GF201	429349	AA007419	Hs.4758	Hs.227571	signalling 4	RGS4	1952.468	
GF201	745019	AA626028	Hs.7214	Hs.155119	EH domain containing 1	EHD1	1951.605	
GF202	428544	AA004868	Hs.59997	Hs.59997	ESTs		1950.378	-1.0335153
GF201	41424	R56793	Hs.52454	Hs.106576	ESTs		1949.577	

## APPENDIX A

GF200	823864	AA490680	Hs.84232	transcobalamin II; macrocytic anemia	TCN2	1948.979	1.09596549
GF200	137797	R68245	Hs.268751	ESTs		1947.581	1.87192788
GF204	1475410	AA857429	Hs.124965	ESTs		1946.648	
GF201	270538	N33224	Hs.42635	ESTs		1946.519	
GF200	811870	AA454959	Hs.43003	dynein, cytoplasmic, light intermediate polypeptide 2	DNCL12	1946.368	1.29253949
GF202	48299	H14342	Hs.101709	ESTs, Highly similar to KIAA0793 protein [H.sapiens]		1946.302	1.02463129
GF202	73600	T55608	Hs.109468	ESTs, Highly similar to CGI-78 protein [H.sapiens]		1946.03	-1.3073588
GF204	378905	AA778303	Hs.122014	ESTs		1945.726	
GF200	51974	H23310	Hs.169309	myelin-associated oligodendrocyte basic protein	MOBP	1944.972	1.23042878
GF201	810609	AA464739	Hs.182476	ESTs, Moderately similar to !!! ALU SUBFAMILY SP WARNING ENTRY !!! [H.sapiens]		1944.563	
GF200	950607	AA608548	Hs.145279	SET translocation (myeloid leukemia-associated) high-mobility group (nonhistone chromosomal) protein 14	SET	1942.381	1.20921287
GF200	138139	R53889	Hs.83477	KIAA0429 gene product	HMG14	1942.197	1.24368503
GF202	300012	N78895	Hs.127587	neogenin (chicken) homolog 1	KIAA0429	1942.083	1.54424686
GF201	811562	AA454591	Hs.14379	chromosome 19 open reading frame 3	NEO1	1941.966	
GF203	1492426	AA878576	Hs.6454	ESTs	C19ORF3	1941.933	-1.1468526
GF202	264858	N21043	Hs.42932	ESTs		1941.927	1.102644
GF200	123439	R00594	Hs.18015	ESTs		1940.436	1.21791438
GF203	290158	N62206	Hs.48485	ESTs		1939.659	-1.1235452
GF200	684661	AA251800	Hs.64639	glioma pathogenesis-related protein	RTVP1	1939.347	-1.118295
GF201	83394	T68464	Hs.81907	ESTs		1939.171	

APPENDIX A

GF200	122822	T99688	Hs.108232	Hs.144904	nuclear receptor co-repressor 1	NCOR1	1938.963	1.32800227
GF202	841327	AA487433	Hs.11488	Hs.11488	ESTs, Moderately similar to dJ83L6.1 [H.sapiens]		1936.601	1.13662767
GF200	179426	H51336	Hs.21708	Hs.21708	Homo sapiens clone 24828 mRNA sequence, partial cds		1936.411	-1.297584
					ESTs, Weakly similar to LYOSOMAL PRO-X			
					CARBOXYPEPTIDASE			
GF202	767268	AA418395	Hs.14089	Hs.14089	PRECURSOR [H.sapiens]		1936.184	-1.3327021
GF200	299600	N74882	Hs.99348	Hs.99348	distal-less homeo box 5	DLX5	1935.871	-1.177274
GF201	33603	R43873	Hs.82945	Hs.242407	G protein-coupled receptor	LOC51704	1935.811	
GF204	1507713	AA937215	Hs.97220	Hs.97220	chondroadherin	CHAD	1934.577	
GF203	280537	N51657	Hs.118042	Hs.21550	ESTs		1934.35	1.770619
GF201	41607	R54177	Hs.51238	Hs.174007	von Hippel-Lindau syndrome	VHL	1933.223	
GF204	1543346	AA919020	Hs.102866	Hs.102866	transketolase-like 1	TKTL1	1933.183	
					small inducible cytokine A3 (homologous to mouse Mip-1a)			
GF201	153355	R47893	Hs.119089	Hs.73817	SCYA3		1932.868	
GF202	839903	AA490058	Hs.105306	Hs.105306	EST		1931.966	1.26087277
GF202	277181	N40949	Hs.45091	Hs.45091	ESTs		1931.818	1.10001201
GF200	788695	AA449932	Hs.73454	Hs.73454	troponin T3, skeletal, fast	TNNT3	1928.967	1.06058962
GF201	49631	H29257	Hs.30880	Hs.30880	ESTs		1928.923	
					ESTs, Weakly similar to !!!			
					ALU SUBFAMILY SB2			
					WARNING ENTRY !!!!			
					[H.sapiens]			
GF201	257823	N30639	Hs.5499	Hs.113660	ESTs		1928.716	1.13681906
GF202	838446	AA457501	Hs.31297	Hs.31297	EST		1928.364	-1.1271484
GF202	283633	N52883	Hs.102676	Hs.102676	EST		1927.334	1.53175623
GF200	110980	T90360	Hs.111675	Hs.268620	ESTs		1927.15	1.34348645
GF200	81336	T63761	Hs.2240	Hs.2240	uteroglobin	UGB	1926.704	
					Homo sapiens mRNA for KIAA1144 protein, partial cds		1926.631	-1.5216879
GF203	53372	R16167	Hs.21718	Hs.22675	homeo box B5	HOXB5	1926.339	1.20180126
GF203	222527	H84287	Hs.22554	Hs.22554				



T02020" 86226960

## APPENDIX A

GF201	266483	N22684	Hs.108900	Hs.6179	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 17 (72kD)	DDX17	1926.227
GF201	884894	AA669452	Hs.81613	Hs.81613	eukaryotic translation initiation factor 2, subunit 1 (alpha, 35kD )	EIF2S1	1926.021
GF203	278430	N66104	Hs.6641	Hs.6641	kinesin family member 5C	KIF5C	1922.705
					protein phosphatase 2,		-1.2397913
GF200	321661	W32943	Hs.118970	Hs.171734	regulatory subunit B (B56), gamma isoform	PPP2R5C	1922.063
					potassium inwardly-rectifying channel, subfamily K, member 4	KCNK4	1921.54
GF202	743016	AA406036	Hs.97174	Hs.97174	DKFZP434C211 protein	DKFZP434C211	1921.381
GF200	124605	R02058	Hs.112028	Hs.112028	Missshapen/NIK-related kinase	MINK	1921.372
GF200	124087	R02716	Hs.18619	Hs.194620	ESTs		1920.38
GF200	195340	R89567	Hs.34212	Hs.268836	ESTs		1919.494
					Homo sapiens cDNA		
					FLJ10937 fis, clone		
					OVARC1001034, highly similar to Mus musculus Fn54		
GF201	239889	H81907	Hs.108510	Hs.168640	mRNA		1918.81
GF200	292452	N68424	Hs.38501	Hs.38501	ESTs		1918.13
					ESTs, Weakly similar to !!!		
					ALU SUBFAMILY SC		
					WARNING ENTRY !!!!		
GF202	470914	AA032084	Hs.124841	Hs.124841	[H.sapiens]		1917.497
GF202	258860	N30205	Hs.93740	Hs.93740	ESTs		1917.424
GF200	201203	R99287	Hs.53127	Hs.53127	ESTs		1917.064
GF202	257387	N30704	Hs.7402	Hs.238797	ESTs		1916.988
GF204	449538	AA777949	Hs.122001	Hs.122001	EST		1916.368
					nucleosome assembly protein		
GF200	275871	R93829	Hs.103144	Hs.179662	1-like 1	NAP1L1	1916.299
GF200	203302	H54764	Hs.93141	Hs.237339	EST		1916.03
							1.54425357
							1.89000976

102040" 86226860

## APPENDIX A

GF204	611472	AA180214	Hs.57665	Hs.268226	ESTs, Highly similar to zinc finger protein 106 [M.musculus]		1916.029
GF200	125799	R07695	Hs.20018	Hs.75618	RAB11A, member RAS oncogene family	RAB11A	1915.193 2.0534888
GF200	788574	AA452872	Hs.101067	Hs.101067	GCN5 (general control of amino-acid synthesis, yeast, homolog)-like 2	GCN5L2	1914.692 1.01049367
GF202	784289	AA447507	Hs.106385	Hs.184581	ESTs		1913.427 -1.0336148
GF200	136801	R36181	Hs.25087	Hs.25087	ESTs		1913.303 1.29355061
GF201	324437	W46900	Hs.83333	Hs.789	GRO1 oncogene (melanoma growth stimulating activity, alpha)	GRO1	1913.14
GF202	743309	AA400495	Hs.97814	Hs.97814	ESTs		1913.014 1.83828796
GF201	76049	T59518	Hs.10574	Hs.10574	GLUCOSE TRANSPORTER X1	X1	1912.119
GF204	897287	AA677661	Hs.107397	Hs.20432	ESTs		1911.479
GF203	727202	AA402483	Hs.97313	Hs.97313	ESTs		1909.855 -1.3173484
GF201	810037	AA455280	Hs.4945	Hs.206770	zinc finger protein 297	ZNF297	1909.614
GF202	324593	W46955	Hs.55977	Hs.55977	ESTs		1908.913 1.31395579
GF200	123065	T98529	Hs.18398	Hs.268992	ESTs		1908.309 1.00151646
GF201	795726	AA460281	Hs.14697	Hs.192245	ESTs		1908.249
GF200	726779	AA399519	Hs.21223	Hs.21223	calponin 1, basic, smooth muscle	CNN1	1907.418 1.3037472
GF202	22991	R38625	Hs.105914	Hs.12303	suppressor of Ty (S.cerevisiae) 6 homolog	SUPT6H	1907.349 -1.811395
GF200	325365	W52273	Hs.54485	Hs.86489	ESTs		1906.308 -1.017541
GF200	325365	W52273	Hs.86489	Hs.86489	ESTs		1906.308 -1.017541
GF203	726690	AA398327	Hs.97610	Hs.97610	ESTs		1906.111 -1.4444744
GF204	1048713	AA620638	Hs.112876	Hs.112876	ESTs		1904.628
GF202	287721	N62231	Hs.48494	Hs.48494	EST		1903.942 -1.23771
GF204	435976	AA703201	Hs.114172	Hs.114172	ESTs		1903.755
GF201	40893	R56082	Hs.25229	Hs.8071	KIAA0735 gene product; synaptic vesicle protein 2B homolog	KIAA0735	1903.67

APPENDIX A

GF201	50914	H19105	Hs.23406	Hs.23406	ESTs, Weakly similar to dJ1170K4.1 [H.sapiens]	1902.577	
GF200	285226	N66278	RG.31	Hs.2780	jun D proto-oncogene	1902.144	-1.0702694
GF202	897731	AA598995	Hs.102604	Hs.24212	latrophilin	1902.015	1.22982039
GF203	39265	R51871	Hs.123877	Hs.123877	ESTs	1901.128	1.03827685
GF201	129088	R10860	Hs.20685	Hs.20685	ESTs	1900.823	
GF204	470148	AA029314	Hs.32478	Hs.32478	ESTs	1899.406	
GF202	586947	AA130986	Hs.60509	Hs.271627	ESTs	1899.281	1.32704796
					cell division cycle 10		
					(homologous to CDC10 of S.		
GF203	645315	AA205818	Hs.104136	Hs.184326	cerevisiae)	1899.017	1.05969418
					Homo sapiens mRNA; cDNA		
GF203	266259	N26515	Hs.57444	Hs.7256	DKFZp434G1919 (from clone	1898.509	1.15124819
GF203	1469292	AA863383	Hs.80205	Hs.80205	DKFZp434G1919); partial cds	1898.387	-1.4322783
GF202	1031446	AA609189	Hs.112660	Hs.116415	pim-2 oncogene	1897.192	-2.0018061
					ESTs		
					solute carrier family 16		
					(monocarboxylic acid		
GF200	141562	R73003	Hs.23590	Hs.23590	transporters), member 4	1894.057	1.36923973
					ESTs, Weakly similar to !!!!		
					ALU SUBFAMILY SQ		
					WARNING ENTRY !!!!		
GF202	308620	N92804	Hs.54848	Hs.226142	[H.sapiens]	1892.451	1.01689322
GF202	609047	AA167500	Hs.103939	Hs.103939	EST	1891.986	1.98620668
					ESTs, Moderately similar to !!!!		
					ALU SUBFAMILY SB2		
					WARNING ENTRY !!!!		
GF202	838999	AA487297	Hs.35218	Hs.268231	[H.sapiens]	1891.082	1.22838532
GF202	838287	AA457485	Hs.62528	Hs.62528	ESTs	1890.855	-1.4011296
GF200	32231	R42815	Hs.84753	Hs.84753	KIAA0246 protein	1890.311	1.16445856
GF202	796711	AA460702	Hs.102756	Hs.102756	ESTs	1889.861	-1.1195067
GF203	275653	R93309	Hs.13928	Hs.118738	KIAA0800 gene product	1889.14	-1.0622505
					presenilin 2 (Alzheimer		
					disease 4)		
GF200	789253	AA450249	Hs.25363	Hs.25363	PSEN2	1888.751	1.10055017
GF201	796309	AA461309	Hs.5190	Hs.111515	DKFZP586I1023 protein	1888.519	

T02020" 86226860

## APPENDIX A

GF203	230496	H81036	Hs.129884	Hs.107854	ESTs, Weakly similar to SODIUM- AND CHLORIDE-DEPENDENT GLYCINE TRANSPORTER 1 [H.sapiens]	1888.355	-1.3224886
GF203	684626	AA251457	Hs.77234	Hs.170414	paired basic amino acid cleaving system 4	1886.233	1.03784988
					ESTs, Moderately similar to alternatively spliced product using exon 13A [H.sapiens]		
GF202	842766	AA486185	Hs.125176	Hs.272068	EST	1885.888	1.04039493
GF202	257414	N30713	Hs.93743	Hs.93743	ESTs	1884.869	1.12776827
GF202	768172	AA424790	Hs.108465	Hs.106843	Homo sapiens GT212 mRNA	1884.233	2.07410828
GF200	198917	H82977	Hs.83086	Hs.83086	ESTs	1883.638	1.56737327
GF203	298779	N75318	Hs.118208	Hs.118208	ESTs	1883.192	1.51154108
GF200	47853	H11369	Hs.117628	Hs.93842	ESTs	1882.982	-1.2712339
GF201	284355	N52136	Hs.93828	Hs.93828	ESTs	1882.869	
					ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]		
GF204	1291666	AA776813	Hs.20535	Hs.191987	ESTs	1882.703	1.23397626
GF202	843250	AA488636	Hs.10432	Hs.10432	DKFZP5861023 protein	1881.683	-1.3584985
GF203	270365	N33054	Hs.23099	Hs.111515	ESTs, Weakly similar to similar to cell division control protein [C.elegans]	1879.683	
GF204	1055547	AA620831	Hs.62918	Hs.62918	ESTs	1879.097	
GF201	288807	N62522	Hs.20450	Hs.20450	ESTs	1878.967	
GF201	120717	T95815	Hs.51893	Hs.269882	ESTs	1878.658	
GF202	302004	N89735	Hs.54530	Hs.54530	ESTs	1878.513	1.15831965
					Human clone 161455 breast expressed mRNA from chromosome X		
GF203	161455	H25551	Hs.92683	Hs.92683	COX15 (yeast) homolog, cytochrome c oxidase assembly protein	1877.727	1.13401398
					EST		
GF202	813304	AA455163	Hs.108991	Hs.226581	COX15	1877.612	1.77833999
GF204	1291946	AA707448	Hs.120010	Hs.120010		1876.483	

Figure 1 consists of 12 subplots arranged in a 6x2 grid. The left column contains subplots 1 through 6, and the right column contains subplots 7 through 12. Each subplot shows a relationship between the number of children (x-axis) and another variable (y-axis). The subplots are labeled with numbers 1 through 12. The subplots show various relationships, including positive and negative correlations, and some show no clear relationship. The subplots are labeled with numbers 1 through 12.

ESTs, Weakly similar to									
CAMP-DEPENDENT									
PROTEIN KINASE									
INHIBITOR, MUSCLE/BRAIN									
GF204	258265	N30669	Hs.106181	Hs.106106	FORM [H.sapiens]			1875.158	
GF204	234965	H78609	Hs.117890	Hs.94869	ESTs			1874.627	
GF201	1031076	AA610066	Hs.93176	Hs.98428	homeo box B6	HOXB6		1873.467	
GF200	795288	AA454143	Hs.77500	Hs.77500	ubiquitin specific protease 4 (proto-oncogene)	USP4		1872.784	1.12327591
ESTs, Weakly similar to									
Similarity to Yeast D-lactate									
GF204	757157	AA443946	Hs.5672	Hs.5672	dehydrogenase [C.elegans]			1872.727	
GF203	162533	H27986	Hs.3844	Hs.3844	LIM domain only 4	LMO4		1872.554	-1.043862
growth factor receptor-bound									
GF200	565379	AA136336	Hs.81875	Hs.81875	protein 10	GRB10		1872.006	1.29726864
GF202	277506	N56891	Hs.46879	Hs.46879	EST			1871.676	-1.169259
GF200	430318	AA010609	Hs.81849	Hs.81849	parvalbumin	PVALB		1870.978	-1.0448731
interferon-related									
GF202	153614	R48587	Hs.25592	Hs.7879	developmental regulator 1	IFRD1		1870.637	1.41220812
GF203	460881	AA704171	Hs.119473	Hs.119473	ESTs			1870.55	-2.4206073
cystathionase (cystathionine									
GF200	126795	R07167	Hs.19904	Hs.19904	gamma-lyase)	CTH		1869.897	-1.1133383
GF203	431284	AA682626	Hs.50476	Hs.50476	ESTs			1869.564	1.5164164
GF202	260216	N32095	Hs.105749	Hs.105749	KIAA0553 protein	KIAA0553		1869.231	1.21726981
GF202	730313	AA412520	Hs.16979	Hs.16979	ESTs			1869.214	-1.0860396
major histocompatibility									
GF202	341774	W60701	Hs.109956	Hs.181244	complex, class I, A	HLA-A		1867.767	1.02622672
GF203	856800	AA669557	Hs.74571	Hs.74571	ADP-ribosylation factor 1	ARF1		1867.657	1.02556039
son of sevenless (Drosophila)									
GF203	452423	AA700167	Hs.106520	Hs.21371	homolog 1	SOS1		1867.583	2.10880915
GF200	195138	R91264	Hs.3610	Hs.3610	KIAA0205 gene product	KIAA0205		1867.445	2.07483492
KIAA0057 gene product;									
GF200	84820	T74606	Hs.76813	Hs.153954	TRAM-like protein	KIAA0057		1865.003	1.53900547
GF202	261441	H98987	Hs.102383	Hs.102383	EST			1864.949	-1.1429557

APPENDIX A

GF200	140301	R66924	Hs.28792	Hs.28792	Homo sapiens cDNA FLJ11041 fis, clone PLACE1004405 ESTs, Moderately similar to !!! ALU SUBFAMILY SX WARNING ENTRY !!!! [H.sapiens] KIAA0215 gene product immunoglobulin lambda-like polypeptide 3 EST, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens] ATPase, H+ transporting, lysosomal (vacuolar proton pump) 9kD MAD (mothers against decapentaplegic, Drosophila) homolog 6 ESTs	1864.945	1.15623488
GF204	26267	R39769	Hs.9582	Hs.206088		1864.84	
GF200	49117	H14804	Hs.82292	Hs.82292		1864.678	1.08607447
GF201	344134	W73790	Hs.73803	Hs.170116	IGLL3	1864.559	
GF203	392711	AA708058	Hs.120080	Hs.222631		1863.773	-1.5213151
GF202	840803	AA486112	Hs.24322	Hs.24322	ATP6H	1863.339	-1.0657336
GF200	724052	AA235597	Hs.23341	Hs.153863	MADH6	1863.185	-1.0467256
GF202	780964	AA429856	Hs.98636	Hs.98636		1862.745	1.55266143
GF200	768168	AA424833	Hs.6101	Hs.6101	bone morphogenetic protein 6 BMP6 Human clones 23667 and 23775 zinc finger protein mRNA, complete cds down-regulator of transcription 1, TBP-binding (negative cofactor 2) ESTs ESTs, Weakly similar to !!! ALU CLASS F WARNING ENTRY !!!! [H.sapiens] chromosome 8 open reading frame 2 ESTs	1862.471	1.11462203
GF200	28098	R40324	Hs.7137	Hs.7137		1860.362	1.26450508
GF201	487797	AA043503	Hs.16697	Hs.16697	DR1	1860.141	
GF203	294244	N70688	Hs.118156	Hs.118156		1859.62	-1.6333186
GF204	415076	W93074	Hs.59342	Hs.269180		1859.2	
GF203	432227	AA679448	Hs.125849	Hs.125849	C8ORF2	1858.852	1.84426643
GF200	292482	N80361	Hs.14248	Hs.14248		1858.216	2.05182191

702020" 86226860

## APPENDIX A

GF201	257391	N30706	Hs.34343	Hs.172700	neuralized (Drosophila)-like	NEURL	1857.907	
GF200	274578	R85367	Hs.92847	Hs.51957	splicing factor, arginine/serine-rich 2, interacting protein	SFRS2IP	1857.526	1.1742837
GF201	877638	AA488178	Hs.7357	Hs.7357	DKFZP586N1922 protein	DKFZP586N1922	1857.468	
GF200	840942	AA486627	Hs.814	Hs.814	major histocompatibility complex, class II, DP beta 1	HLA-DPB1	1857.424	1.0386526
GF202	1031698	AA609556	Hs.112378	Hs.112378	LIM and senescent cell antigen-like domains 1	LIMS1	1857.363	-1.10791
GF203	897768	AA598507	Hs.1640	Hs.1640	collagen, type VII, alpha 1			
GF202	358217	W95636	Hs.58367	Hs.58367	(epidermolysis bullosa, dystrophic, dominant and recessive)	COL7A1	1857.33	1.15145374
GF201	272951	N33778	Hs.107817	Hs.15767	glypican 4	GPC4	1857.138	-1.1758133
					citron (rho-interacting, serine/theorine kinase 21)	CIT	1856.231	
					Homo sapiens cDNA			
					FLJ11307 fis, clone			
					PLACE1010053, highly similar to M.musculus Spnr mRNA for			
GF203	814915	AA465704	Hs.99653	Hs.8215	RNA binding protein		1856.043	1.10661539
GF202	123039	R00262	Hs.121051	Hs.191194	ESTs		1855.193	1.10003854
GF202	730016	AA416875	Hs.91336	Hs.6899	ESTs		1853.524	1.02848309
GF202	1032015	AA610016	Hs.112804	Hs.112804	EST		1853.195	1.02588751
					ESTs, Weakly similar to protein-tyrosine phosphatase			
GF204	149539	H00288	Hs.20281	Hs.20281	[H.sapiens]		1852.964	
					ESTs, Weakly similar to !!!!			
					ALU SUBFAMILY J			
					WARNING ENTRY !!!!			
GF202	839807	AA489768	Hs.112230	Hs.269390	[H.sapiens]		1852.67	-1.0057733
					stearoyl-CoA desaturase			
GF200	123474	R00707	Hs.119597	Hs.119597	(delta-9-desaturase)	SCD	1851.337	1.1721095
GF200	143846	R76808	Hs.79722	Hs.153595	low density lipoprotein-related protein 2	LRP2	1851.195	1.01373546

APPENDIX A

GF203	854450	AA669068	Hs.6113	Hs.6113	staußen (Drosophila, RNA-binding protein) Homo sapiens cDNA FLJ10669 fis, clone NT2RP2006275, weakly similar to MICROTUBULE-ASSOCIATED PROTEIN 1B [CONTAINS: LIGHT CHAIN LC1] ESTs ESTs EST mucin 1, transmembrane solute carrier family 17 (sodium phosphate), member 3 ESTs EST ESTs desmoplakin (DPI, DPLI) cytokine-inducible SH2-containing protein N-ethylmaleimide-sensitive factor	STAU	1850.896	1.64332441
GF201	795856	AA461521	Hs.66048	Hs.66048			1850.777	
GF201	504516	AA150015	Hs.6592	Hs.6592			1850.101	
GF202	742772	AA400469	Hs.97804	Hs.97804			1849.705	-1.2530666
GF204	745577	AA626325	Hs.116151	Hs.116151			1849.67	
GF200	840687	AA488073	Hs.89603	Hs.89603		MUC1	1849.242	1.16458855
GF203	1323539	AA858296	Hs.104635	Hs.104635		SLC17A3	1848.001	1.30320032
GF203	293991	N66070	Hs.115276	Hs.268948			1847.657	-1.2772525
GF202	258118	N27108	Hs.43886	Hs.43886			1847.465	-1.762766
GF201	796127	AA460965	Hs.9016	Hs.9016			1845.714	
GF201	247582	N54244	Hs.109322	Hs.74316		DSP	1845.341	
GF201	771058	AA427521	Hs.8257	Hs.8257		G18	1845.016	
GF201	251936	H97488	Hs.108802	Hs.108802		NSF	1844.685	
GF203	448432	AA777551	Hs.118131	Hs.118131	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	MTHFS	1844.355	-1.0019484
GF201	773487	AA427921	Hs.6112	Hs.6112	ESTs		1843.699	
GF204	773462	AA427857	Hs.20636	Hs.134200	DKFZP564C186 protein	DKFZP564C186	1843.252	
GF202	290680	N67619	Hs.43687	Hs.43687	ESTs		1843.185	-1.9401257
GF204	455280	AA677578	Hs.117170	Hs.117170	ESTs		1842.889	
GF203	703751	AA278780	Hs.55379	Hs.65588	ESTs, Weakly similar to dJ393P12.2 [H.sapiens]		1842.078	-1.1893288
GF201	795171	AA453470	Hs.96784	Hs.167598	ESTs		1841.908	



FOC 2020 86226860

## APPENDIX A

ESTs, Weakly similar to SODIUM- AND CHLORIDE- DEPENDENT GLYCINE TRANSPORTER 1 [H.sapiens] DKFZP586G011 protein DKFZP586G011									
GF201	271280	N34637	Hs.44613	Hs.107854				1840.917	
GF201	272658	N32281	Hs.53086	Hs.234265				1840.425	
GF204	377515	AA055449	Hs.63187	Hs.63187				1840.12	
GF200	681948	AA256123	Hs.77252	Hs.77252				1839.649	1.11747342
GF203	725365	AA292054	Hs.65029	Hs.65029				1839.125	1.33354922
fragile histidine triad gene growth arrest-specific 1 FHIT									
RNA binding motif protein, X chromosome RBMX									
GF200	841352	AA487651	Hs.82083	Hs.146381				1838.921	1.08626361
Homo sapiens mRNA; cDNA DKFZp564M0616 (from clone DKFZp564M0616)									
GF201	32331	R42922	Hs.21195	Hs.21195				1838.005	
GF203	166616	R88440	Hs.107819	Hs.182859				1837.27	-1.2275961
GF204	51920	H22927	Hs.6903	Hs.252716				1836.999	
GF203	43849	H04992	Hs.30499	Hs.267027				1836.372	-1.9037513
GF201	267131	N24868	Hs.42178	Hs.9176				1835.159	
GF200	129922	R19183	Hs.20808	Hs.20808				1833.321	1.88367735
alkaline phosphatase, liver/bone/kidney ALPL									
GF203	1475595	AA873885	Hs.117854	Hs.250769				1833.173	-1.5136346
GF203	754494	AA411556	Hs.90031	Hs.25615				1833.068	-1.4649451
GF203	726890	AA398420	Hs.17850	Hs.17850				1831.215	-1.1562651
GF203	450899	AA704688	Hs.120898	Hs.191901				1831.192	1.73392086
meprin A, alpha (PABA peptide hydrolase) MEP1A									
GF203	788269	AA454113	Hs.73763	Hs.179704				1830.732	1.02384493
cytochrome P450, subfamily I (dioxin-inducible), polypeptide 1 (glaucoma 3, primary infantile) CYP1B1									
GF200	782760	AA448157	Hs.82009	Hs.154654				1830.277	1.18499582
GF203	296057	N69989	Hs.19167	Hs.19167				1828.501	1.62970996
dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit DPM2									
GF201	144887	R78591	Hs.29783	Hs.108973				1827.55	
GF202	782145	AA431192	Hs.122986	Hs.122986				1826.632	-1.3039175

APPENDIX A

GF203	214158	H77595	Hs.117882	Hs.268868	ESTs proteasome (prosome, macropain) subunit, beta type, 7	1826.02	1.10659864
GF200	843352	AA489400	Hs.91876	Hs.118065	PSMB7	1824.784	1.17943647
GF201	417388	W88466	Hs.22010	Hs.22010	ESTs	1822.817	
GF201	857264	AA669689	Hs.14732	Hs.14732	malic enzyme 1, NADP(+)- dependent, cytosolic	1822.642	
GF203	279481	N48809	Hs.129893	Hs.268051	ME1	1821.78	-1.0960349
GF203	325079	W49708	Hs.32587	Hs.32587	ESTs	1820.446	-1.0698708
GF200	193533	H47542	Hs.33962	Hs.33962	ESTs	1819.474	2.13262341
GF201	365531	AA009697	Hs.107354	Hs.146409	Human DNA sequence from clone 224A6 on chromosome 1p35.1-36.23 Contains part of a gene similar to Mouse Wnt-4 protein, the gene for CDC42 (cell division cycle 42 (GTP- binding protein, 25kD)), ESTs, STSS, GSSs and a CpG Island WNT-4	1818.799	
GF204	240796	H91065	Hs.53112	Hs.53112	ESTs	1816.123	
GF201	199198	R95841	Hs.35462	Hs.173965	ribosomal protein S6 kinase, 90kD, polypeptide 3	1815.589	1.12172363
GF202	38816	R49144	Hs.91695	Hs.119756	ESTs	1814.614	1.48098519
GF203	202958	H54393	Hs.116206	Hs.116206	OIP5	1813.884	-1.2760387
GF203	769933	AA430506	Hs.119398	Hs.3804	DKFZP564C1940 protein	1813.842	1.5317994
GF202	51828	H22946	Hs.106817	Hs.106817	ESTs	1813.603	1.18505351
GF200	512133	AA125779	Hs.79220	Hs.172199	adenylate cyclase 7	1810.901	
GF200	950356	AA600173	Hs.80612	Hs.80612	ubiquitin-conjugating enzyme E2A (RAD6 homolog)	1810.27	-1.0189267
GF201	744374	AA621188	Hs.4996	Hs.4996	DKFZP564D166 protein	1810.081	-2.352692
GF203	392463	AA708023	Hs.32886	Hs.32886	ESTs	1809.477	-1.0725783
GF202	29198	R41173	Hs.20971	Hs.20971	ESTs	1808.536	-1.2118182
GF202	757137	AA443933	Hs.99033	Hs.99033	EST	1807.439	
GF201	283379	N52767	Hs.42980	Hs.42980	ESTs	1807.218	1.00454185
GF202	283252	N51392	Hs.47248	Hs.47248	ESTs	1807.106	
GF201	196779	R93051	Hs.107684	Hs.133317	ESTs	1806.945	

APPENDIX A

GF200	144885	R78589	Hs.55153	Hs.55153	ESTs	1806.124	1.14323295
GF202	1032041	AA610036	Hs.112805	Hs.112805	ESTs	1805.799	-1.3377209
GF201	809645	AA454681	Hs.5011	Hs.5011	RNA binding motif protein 9	1805.753	
GF201	323968	W46420	Hs.55947	Hs.55947	KIAA0805 protein	1804.334	
GF203	30114	R41227	Hs.21860	Hs.21860	ESTs	1804.182	-1.1719644
GF203	220851	H95633	Hs.81923	Hs.184085	crystallin, alpha A	1803.75	-1.0507764
GF202	812955	AA464595	Hs.95008	Hs.95008	KISS-1 metastasis-suppressor	1803.659	1.10594355
GF200	191572	H37880	Hs.52899	Hs.271167	L-pipecolic acid oxidase	1803.635	1.92875075
GF202	366057	AA071514	Hs.67552	Hs.67552	ESTs	1803.215	-1.1631109
GF202	290399	N62339	Hs.48517	Hs.180532	heat shock 90kD protein 1, alpha	1802.953	-1.191249
					ESTs, Weakly similar to !!!!		
					ALU CLASS B WARNING		
GF202	753657	AA478603	Hs.125174	Hs.188834	ENTRY !!!! [H.sapiens]	1802.032	-2.0001299
GF203	823895	AA490490	Hs.14623	Hs.154919	KIAA0625 protein	1801.492	2.18891535
GF201	450453	AA682815	Hs.78145	Hs.169910	KIAA0173 gene product	1801.418	
GF200	213118	H69576	Hs.37978	Hs.37978	ESTs	1801.305	1.1411564
GF203	221776	H92215	Hs.25373	Hs.25373	ESTs	1800.678	-1.0951042
					death associated transcription factor 1	1799.401	
GF201	429173	AA004823	Hs.58460	Hs.155313	BUP protein	1799.365	1.8510007
GF203	435351	AA700739	Hs.35660	Hs.35660			
GF204	877789	AA626797	Hs.116175	Hs.85339	G protein-coupled receptor 39	1797.131	
					RAB2, member RAS		
GF200	342069	W60890	RG.43	Hs.78305	oncogene family	1796.638	1.76590542
GF200	824044	AA491206	Hs.78851	Hs.78851	KIAA0217 protein	1796.169	-1.150779
GF200	824044	AA491206	Hs.119441	Hs.78851	KIAA0217 protein	1796.169	-1.150779
					Homo sapiens cDNA		
GF201	784258	AA446898	Hs.6584	Hs.67619	FLJ10533 fis, clone	1795.841	
GF200	130027	R19406	Hs.44680	Hs.25615	NT2RP2001056	1795.719	1.39227901
GF203	788714	AA449943	Hs.111357	Hs.13493	YDD19 protein	1795.44	1.13647818
GF203	131024	R23215	Hs.100931	Hs.158101	like mouse brain protein E46	1794.69	-1.06263
					ESTs		
					upstream regulatory element binding protein 1		
GF200	783681	AA446600	Hs.3383	Hs.3383	UREB1	1794.294	1.0784757

APPENDIX A

GF202	84264	T72850	Hs.9670	Hs.9670	Homo sapiens cDNA FLJ10948 fis, clone PLACE1000142, weakly similar to 3- HYDROXYBUTYRYL-COA DEHYDRATASE (EC 4.2.1.55) zinc finger protein, subfamily 1A, 1 (Ikaros) ESTs ESTs KIAA0253 protein ESTs EST ESTs ESTs ESTs ESTs, Moderately similar to diabetes mellitus type I autoantigen [H.sapiens] ESTs, Moderately similar to ZINC FINGER PROTEIN 135 [H.sapiens] Homo sapiens clone 24703 beta-tubulin mRNA, complete cgs ESTs histone acetyltransferase ESTs Homo sapiens mRNA for KIAA1225 protein, partial cds tyrosine 3- monooxygenase/tryptophan 5- monooxygenase activation protein, theta polypeptide	1793.274	1.05543171
GF200	711680	AA280931	Hs.54452	Hs.54452	ZNFN1A1	1793.229	1.17603555
GF202	897587	AA496884	Hs.101645	Hs.23972		1792.401	1.45202741
GF201	288748	N62487	Hs.102558	Hs.102558		1792.207	
GF200	199645	R96527	Hs.4788	Hs.4788	KIAA0253	1790.675	-1.33333561
GF204	1460661	AA868748	Hs.125249	Hs.125249		1790.659	
GF202	340926	W57798	Hs.62510	Hs.62510		1790.322	-1.1493661
GF201	344126	W73753	Hs.58330	Hs.58330		1790.16	
GF203	159470	H15913	Hs.31396	Hs.31396		1789.727	-1.8173255
GF204	858488	AA774047	Hs.121716	Hs.193358		1789.24	
GF202	340855	W56810	Hs.56187	Hs.56187		1789.199	-1.4588036
GF200	191603	H37989	Hs.104151	Hs.179661		1788.715	1.74194109
GF202	795844	AA461515	Hs.99550	Hs.99550		1788.664	1.06666889
GF202	898083	AA598797	Hs.21907	Hs.21907	HBOA	1787.253	2.44995607
GF202	742696	AA401377	Hs.97725	Hs.97725		1786.654	1.29956714
GF201	781046	AA446451	Hs.8117	Hs.8117		1786.044	
GF203	858293	AA633997	Hs.74405	Hs.74405	YWHAQ	1785.573	-1.0790094

APPENDIX A

GF202	823755	AA490243	Hs.26106	Hs.180378	Homo sapiens clone 669 unknown mRNA, complete sequence	1784.955	2.5676889
GF201	377560	AA055946	Hs.95327	Hs.95327	CD3D antigen, delta polypeptide (TIT3 complex)	1784.782	
GF201	50519	H17528	Hs.74515	Hs.74515	aryl hydrocarbon receptor nuclear translocator-like	1784.171	
GF201	810945	AA459393	Hs.102986	Hs.13794	Homo sapiens cDNA FLJ10931 fis, clone	1783.657	
GF202	257342	N29638	Hs.44066	Hs.44066	OVARC1000564 ESTs	1783.533	1.0216329
GF201	156437	R73570	Hs.119068	Hs.34114	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 2 (+) polypeptide	1783.35	
GF203	845037	AA773304	Hs.4749	Hs.4749	Homo sapiens mRNA; cDNA DKFZp761E13121 (from clone DKFZp761E13121); partial cds	1783.043	-1.2373653
GF201	770837	AA427740	Hs.79337	Hs.79337	KIAA0135 protein Homo sapiens cDNA	1782.552	
					FLJ10752 fis, clone NT2RP3004480, weakly similar to VACUOLAR PROTEIN SORTING- ASSOCIATED PROTEIN		
GF203	281010	N47691	Hs.106255	Hs.264190	VPS35 KIAA0929 protein Msx2 interacting nuclear target (MINT) homolog	1779.523	-1.2303615
GF204	120277	T96987	Hs.17961	Hs.184245	ESTs	1777.791	
GF202	772916	AA479912	Hs.104892	Hs.104892	ESTs	1776.559	1.52582361
GF203	687289	AA235112	Hs.42318	Hs.42179	KIAA1286 protein eukaryotic translation initiation factor 3, subunit 4 (delta, 44kD)	1775.807	1.3563804
GF201	857319	AA668703	Hs.28081	Hs.28081	ESTs	1774.484	
GF201	195357	R88992	Hs.107783	Hs.123645	ESTs	1773.924	
GF202	376893	AA047008	Hs.62800	Hs.62800	ESTs	1773.627	1.27710177

APPENDIX A

GF204	1466893	AA884321	Hs.125722	Hs.163348	ESTs	1773.492	
GF202	504859	AA149061	Hs.103873	Hs.172971	ESTs	1773.43	1.26163488
GF201	562115	AA211508	Hs.363	Hs.132390	zinc finger protein 36 (KOX 18) ZNF36	1773.27	
GF201	811581	AA454605	Hs.21835	Hs.21835	ESTs	1772.701	
GF201	797012	AA463504	Hs.6052	Hs.6052	ESTs	1772.639	
GF200	726678	AA398230	Hs.74583	Hs.74583	KIAA0275 gene product	1772.576	-1.1248031
GF203	898121	AA598486	Hs.7600	Hs.250747	SUMO-1 activating enzyme subunit 1	1768.732	-1.2506618
GF203	256975	N30222	Hs.52891	Hs.52891	ESTs, Weakly similar to cDNA		
GF201	809703	AA454710	Hs.101029	Hs.105509	EST EMBL:T00822 comes from this gene [C.elegans]	1768.549	1.24474832
GF201	375853	AA039857	Hs.42946	Hs.42946	Homo sapiens CTL2 gene	1767.936	
GF200	136317	R34121	Hs.23741	Hs.180338	ESTs	1767.927	
GF202	278198	N63543	Hs.48818	Hs.48818	tumor necrosis factor receptor superfamily, member 12 (translocating chain-association membrane protein)	1767.307	-1.17178
GF204	745556	AA626260	Hs.97684	Hs.97684	ESTs, Weakly similar to serine/threonine kinase [M.musculus]	1766.472	-2.3829597
GF200	782497	AA432023	Hs.6349	Hs.6349	Human Chromosome 16 BAC clone CIT987SK-A-362G6	1766.444	
GF203	897926	AA598809	Hs.15043	Hs.15043	ESTs	1766.314	1.03111625
GF204	745468	AA625956	Hs.131772	Hs.252716	fibrousheathin II	1765.984	1.44464639
GF200	295527	N74942	Hs.36648	Hs.271689	ESTs	1765.313	
GF200	45641	H08749	Hs.2151	Hs.180533	mitogen-activated protein kinase kinase 3	1764.957	1.62784823
GF200	504774	AA150859	Hs.1675	Hs.1675	gamma-glutamyltransferase-like activity 1	1764.852	-1.2106103
GF202	280758	N50556	Hs.47076	Hs.170252	ESTs	1764.02	1.02128581
GF203	451812	AA706822	Hs.14662	Hs.14662	GGTLA1	1763.362	1.0284093
					ESTs	1763.064	1.05071591

APPENDIX A

GF201	46584	H09971	Hs.90363	Hs.90363	ESTs	1762.322	
GF202	73391	T55806	Hs.9872	Hs.9872	EST	1761.64	-1.386315
GF200	208375	H62838	Hs.38120	Hs.105695	ESTs	1761.298	-1.0770531
GF202	280257	N49213	Hs.46908	Hs.46908	ESTs	1760.423	-1.0475034
					small nuclear		
					ribonucleoprotein 70kD		
GF200	124261	R02346	Hs.83252	Hs.174051	polypeptide (RNP antigen)	1760.131	1.52637903
GF200	363590	AA019774	Hs.6111	Hs.6111	KIAA0307 gene product	1759.546	1.19876291
					capping protein (actin filament)		
GF201	769911	AA430524	Hs.76368	Hs.76368	muscle Z-line, beta	1758.267	
GF202	744413	AA621216	Hs.112952	Hs.112952	ESTs	1758.005	1.32672994
					ESTs, Moderately similar to C-		
					1-TETRAHYDROFOLATE		
					SYNTHASE, CYTOPLASMIC		
GF202	1031745	AA609608	Hs.112733	Hs.202437	[H.sapiens]	1757.144	-1.0316508
GF201	46452	H09748	Hs.21580	Hs.21580	ESTs	1757.032	
					Homo sapiens cDNA		
					FLJ10959 fis, clone		
GF204	32801	R43609	Hs.7041	Hs.7041	PLACE1000562	1757.024	
GF203	897586	AA496875	Hs.23440	Hs.23440	KIAA1105 protein	1756.707	-1.02333494
GF203	395485	AA757672	Hs.121528	Hs.121528	ESTs	1755.932	-1.4006024
GF200	121600	T97931	Hs.18190	Hs.18190	EST	1755.834	-1.2064039
GF204	744943	AA625899	Hs.116104	Hs.116104	ESTs	1755.791	
					GRB2-associated binding		
GF200	292272	N68193	Hs.46455	Hs.239706	protein 1	1755.742	1.44596676
GF202	795452	AA454186	Hs.99361	Hs.99361	ESTs	1753.62	-1.5153175
					Homo sapiens mRNA; cDNA		
GF202	375650	AA032198	Hs.56876	Hs.56876	DKFZp434H1419 (from clone	1752.929	1.16343468
					DKFZp434H1419); partial cds		
					Homo sapiens mRNA; cDNA		
					DKFZp564E153 (from clone		
GF201	324307	W47641	Hs.45108	Hs.8769	DKFZp564E153)	1752.574	
GF201	282810	N45091	Hs.46472	Hs.46472	ESTs	1752.518	

## APPENDIX A

ESTs, Highly similar to									
PROTEIN ARGININE N-									
METHYLTRANSFERASE 2									
GF201	284292	N52195	Hs.46661	Hs.169396	[H.sapiens]				1751.26
GF201	809517	AA454566	Hs.14938	Hs.272812	hemoglobin, gamma G	HBG2			1750.613
GF202	731037	AA421469	Hs.98348	Hs.98348	ESTs				1749.825
GF203	767167	AA424568	Hs.98417	Hs.42500	ADP-ribosylation factor-like 5	ARL5			1748.477
GF201	132307	R27319	Hs.23823	Hs.23823	ESTs				1747.459
GF201	782452	AA431435	Hs.41429	Hs.158244	KIAA0479 protein	KIAA0479			1746.298
					neurofilament, light				
GF200	28422	R14230	Hs.6625	Hs.211584	polypeptide (68kD)	NEFL			1745.738
									-1.1189806
Homo sapiens cDNA									
					FLJ10894 fis, clone				
					NT2RP4002888, highly similar				
					to Homo sapiens mRNA;				
GF203	450781	AA704615	Hs.31532	Hs.31532	cDNA DKFZp434F172				1745.69
GF202	277871	N64198	Hs.48943	Hs.48943	EST				1745.433
GF202	306351	N90688	Hs.54643	Hs.54643	EST				1745.429
									1.33268189
									-1.0960226
									1.18471034
tumor necrosis factor receptor									
GF200	788185	AA453410	Hs.51233	Hs.51233	superfamily, member 10b	TNFRSF10B			1744.946
					ESTs, Moderately similar to !!!				-1.1054614
					ALU SUBFAMILY SB				
					WARNING ENTRY !!!!				
[H.sapiens]									
GF202	591116	AA158352	Hs.103913	Hs.103913	EST				1744.442
GF200	241794	H90573	Hs.102298	Hs.102298	leukemia associated gene 2	LEU2			1.21845846
GF202	270136	N25204	Hs.43628	Hs.43628	ESTs				1.27344444
GF201	321456	W32296	Hs.83259	Hs.83259	ESTs				1.06250392
GF204	448205	AA777233	Hs.122624	Hs.262212	ESTs				1743.856
GF201	810728	AA457707	Hs.32343	Hs.32343	ESTs				1739.879
GF201	840474	AA485871	Hs.75795	Hs.34160	myosin IB	MYO1B			1738.594
GF201	268176	N30156	Hs.106277	Hs.1560	KIAA0086 gene product	KIAA0086			1738.486
GF202	897577	AA496881	Hs.25120	Hs.25120	ESTs				1737.724
					glutamate receptor, ionotropic,				1737.403
					kainate 1	GRIK1			
GF201	33096	R44776	Hs.22631	Hs.181581					1735.695



APPENDIX A

GF202	110167	T71214	Hs.13815	Hs.13815	EST	1735.477	1.42296827
GF202	340806	W56793	Hs.56178	Hs.56178	ESTs	1735.339	1.55308842
GF201	795280	AA454014	Hs.40696	Hs.40696	ESTs	1734.935	
GF204	1292880	AA776743	Hs.122567	Hs.191589	ESTs	1734.487	
					Homo sapiens cDNA		
GF204	855739	AA663968	Hs.24817	Hs.24817	FLJ20136 fis, clone	1734.481	
					COL07068		
					ESTs, Moderately similar to !!!!		
					ALU SUBFAMILY SQ		
					WARNING ENTRY !!!!		
GF200	127408	R08755	Hs.51926	Hs.268677	[H.sapiens]	1733.363	1.22450258
					general transcription factor IIF,		
GF200	711961	AA282092	Hs.68257	Hs.68257	polypeptide 1 (74kD subunit)	1733.071	-1.0115584
GF202	743242	AA400136	Hs.97779	Hs.97779	ESTs	1731.656	-1.5574759
GF203	769773	AA429027	Hs.14687	Hs.172329	KIAA0576 protein	1730.816	-1.1088836
					Homo sapiens mRNA; cDNA		
GF201	309603	N94435	Hs.25700	Hs.25700	DKFZp434M0435 (from clone	1730.626	
GF204	1048916	AA778560	Hs.25880	Hs.25880	DKFZp434M0435)	1730.299	
GF204	701409	AA287948	Hs.99688	Hs.99688	ESTs	1729.689	
GF200	132623	R26813	Hs.24005	Hs.24005	EST	1729.592	1.49158564
					ESTs		
					tyrosine 3-		
					monooxygenase/tryptophan 5-		
					monooxygenase activation		
GF202	784129	AA432085	Hs.25001	Hs.25001	protein, gamma polypeptide	1729.344	1.10258153
GF202	813654	AA447751	Hs.2031	Hs.178237	tyrosine hydroxylase	1729.326	1.42850127
GF204	23572	R38289	Hs.124950	Hs.3769	ESTs	1728.958	
					clusterin (complement lysis		
					inhibitor, SP-40,40, sulfated		
					glycoprotein 2, testosterone-		
					repressed prostate message		
GF200	589362	AA130017	Hs.75106	Hs.75106	2, apolipoprotein J)	1727.947	1.20456984
					ELK4, ETS-domain protein		
GF201	236155	H61758	Hs.200	Hs.169241	(SRF accessory protein 1)	1727.659	
GF203	684277	AA236015	Hs.87507	Hs.87507	ESTs	1727.412	1.39659756

APPENDIX A

GF204	283204	N51365	Hs.43558	Hs.43558	ESTs	1727.12	
GF202	488555	AA047275	Hs.109069	Hs.120769	Homo sapiens cDNA FLJ20463 fis, clone KAT06143	1726.808	1.26461416
GF202	322926	W45025	Hs.55784	Hs.170268	ESTs	1725.891	1.01079647
GF203	291323	N72252	Hs.102815	Hs.271879	ESTs	1725.72	-1.0165974
GF201	77911	T61269	Hs.8358	Hs.8358	Homo sapiens cDNA FLJ20366 fis, clone HEP18008	1724.263	
GF201	841295	AA487210	Hs.7871	Hs.7871	Homo sapiens mRNA for KIAA1310 protein, partial cds	1723.992	
GF203	266455	N21688	Hs.43050	Hs.231072	ESTs	1723.794	-1.735536
GF203	206755	H59595	Hs.37745	Hs.37745	ESTs	1723.684	1.18274252
GF201	795321	AA454175	Hs.75296	Hs.182923	mannosidase, alpha, class 2A, member 2	1723.673	
GF200	248478	N59638	Hs.53176	Hs.53176	ESTs	1723.338	2.05784294
GF200	203132	H54629	Hs.83429	Hs.83429	tumor necrosis factor (ligand) superfamily, member 10	1722.994	1.0440923
GF201	22134	T72555	Hs.12573	Hs.12573	ESTs	1722.365	
GF201	359855	AA011335	Hs.58650	Hs.58650	Homo sapiens cDNA FLJ10724 fis, clone NT2RP3001176	1722.348	
GF202	813609	AA447691	Hs.4812	Hs.260116	KIAA1104 protein	1721.733	2.09155508
GF202	731196	AA417354	Hs.98225	Hs.98225	EST	1721.457	-1.7177263
GF201	796775	AA443157	Hs.4312	Hs.244	amino-terminal enhancer of split	1721.065	
GF201	769579	AA425826	Hs.72241	Hs.72241	mitogen-activated protein kinase kinase 2	1720.998	
GF201	415010	W93086	Hs.19565	Hs.19565	ESTs	1720.304	
GF200	139278	R63702	Hs.79773	Hs.155478	cyclin T2	1719.644	1.22401212
GF201	431908	AA678139	Hs.81469	Hs.81469	nucleotide binding protein 1 (E.coli MinD like)	1719.16	
GF201	811048	AA485428	Hs.14554	Hs.105958	KIAA0620 protein	1718.991	
GF204	1603583	AA996131	Hs.14368	Hs.14368	SH3-binding domain glutamic acid-rich protein like	1718.058	
GF202	366708	AA029561	Hs.61568	Hs.61568	ESTs	1717.694	1.52692055

APPENDIX A

GF202	565653	AA127442	Hs.21263	Hs.21263	ESTs, Highly similar to SKD3 PROTEIN [M.musculus]	1717.452	-1.0853963
GF203	1049230	AA620715	Hs.135	Hs.135	gamma-glutamyltransferase 1	1716.982	1.1042814
GF204	1457396	AA922858	Hs.101064	Hs.101064	ESTs	1716.896	
GF203	48801	H14810	Hs.75429	Hs.172458	iduronate 2-sulfatase (Hunter syndrome)	1716.723	-1.4842727
GF202	287125	N66871	Hs.102761	Hs.102761	Human glucocorticoid receptor alpha mRNA, variant 3' UTR	1716.331	1.85883918
GF202	768381	AA495804	Hs.15032	Hs.15032	ESTs, Weakly similar to KIAA0745 protein [H.sapiens]	1715.585	-2.838595
GF203	898204	AA598594	Hs.112475	Hs.205293	Homo sapiens mRNA for KIAA1211 protein, partial cds	1715.481	1.79419287
GF203	261604	H98706	Hs.4864	Hs.4864	KIAA0892 protein	1715.35	1.09397007
GF200	233939	H65442	Hs.38455	Hs.38455	ESTs	1714.642	-1.3470719
GF202	255285	N23885	Hs.112083	Hs.112083	ESTs	1713.989	-2.2745654
GF204	378157	AA777138	Hs.122657	Hs.184233	ESTs	1712.888	
GF201	856447	AA630800	Hs.119114	Hs.14623	interferon, gamma-inducible protein 30	1712.451	
GF201	79743	T62577	Hs.61950	Hs.61950	DKFZp434A0131 protein	1711.535	
GF202	838831	AA481770	Hs.100465	Hs.269385	ESTs	1710.827	-1.1533571
GF201	306919	N91961	Hs.20085	Hs.20085	ESTs	1710.453	
GF200	299663	W06875	Hs.40512	Hs.40337	Homo sapiens cDNA FLJ11219 fis, clone	1709.151	1.02052452
GF204	1534439	AA917376	Hs.9011	Hs.173694	PLACE1008122 KIAA1097 protein	1707.918	
GF200	724387	AA411107	Hs.1063	Hs.1063	small nuclear ribonucleoprotein polypeptide C	1707.627	1.6125695
GF200	200604	H48467	Hs.36094	Hs.36094	EST	1707.424	1.40201645
GF203	814026	AA455663	Hs.109910	Hs.27239	DKFZP586K0524 protein	1707.336	1.32645092
GF204	878281	AA670286	Hs.30352	Hs.30352	ribosomal protein S6 kinase, 52kD, polypeptide 1	1707.306	

APPENDIX A

GF200	79712	T62547	Hs.76473	Hs.76473	insulin-like growth factor 2 receptor	IGF2R	1707.208	1.16031618
GF201	260035	N30372	Hs.54434	Hs.54434	interferon regulatory factor 5	IRF5	1706.552	
GF203	452537	AA778826	Hs.124238	Hs.268591	ESTs		1703.74	-1.7402112
GF202	264904	N21056	Hs.42936	Hs.42936	ESTs		1703.544	-1.1954848
GF201	432581	AA699390	Hs.117318	Hs.184938	Novel human gene mapping to chromosome 13		1703.537	
GF204	22700	R43566	Hs.119029	Hs.119029	ESTs		1702.855	
GF201	491184	AA137072	Hs.44892	Hs.111515	DKFZP58611023 protein	DKFZP58611023	1702.657	
					Homo sapiens cDNA			
					FLJ20767 fis, clone			
GF200	325375	W52186	Hs.24192	Hs.24192	COL06986		1701.987	1.09639597
GF201	853562	AA663435	Hs.66369	Hs.228059	KRAB-associated protein 1	TIF1B	1701.773	
GF203	470062	AA029241	Hs.100299	Hs.100299	ligase III, DNA, ATP-dependent	LIG3	1701.57	1.72278733
					ESTs, Moderately similar to !!!!			
					ALU SUBFAMILY SX			
					WARNING ENTRY !!!!			
GF204	530197	AA111975	Hs.118626	Hs.234035	[H.sapiens]		1701.344	
GF200	243638	N49883	Hs.33384	Hs.33384	ESTs		1700.524	1.3007402
GF201	80633	T57791	Hs.63668	Hs.63668	toll-like receptor 2	TLR2	1700.01	
GF203	682056	AA256458	Hs.44811	Hs.44811	ESTs		1699.919	1.38666624
					polyglutamine binding protein			
GF204	859025	AA666078	Hs.30570	Hs.30570	1	PQBP1	1699.573	
					Homo sapiens mRNA; cDNA			
GF203	712454	AA281729	Hs.25362	Hs.25362	DKFZp434O1317 (from clone DKFZp434O1317)		1698.016	-1.319737
GF201	345051	W72803	Hs.57958	Hs.57958	ESTs, Weakly similar to KIAA0768 protein [H.sapiens]		1696.196	
					thyroid hormone receptor-associated protein, 95-kD subunit	TRAP95	1695.448	1.67623135
GF203	767315	AA418545	Hs.31659	Hs.31659	KIAA0892 protein	KIAA0892	1695.046	1.94838752
GF202	627508	AA192268	Hs.61645	Hs.4864	nucleobindin 2	NUCB2	1694.756	1.46353035
GF203	815794	AA485214	Hs.3164	Hs.3164				

## APPENDIX A

GF203	838384	AA458796	Hs.6145	Hs.272023	transforming, acidic coiled-coil containing protein 2	TACC2	1694.603	1.07342217
GF202	271219	N30436	Hs.11556	Hs.11556	ESTs		1694.422	-1.0891221
GF201	417711	W88967	Hs.109129	Hs.180255	major histocompatibility complex, class II, DR beta 1	HLA-DRB1	1694.222	
GF200	199403	R97340	Hs.4082	Hs.4082	lectin, galactoside-binding, soluble, 8 (galectin 8)	LGALS8	1693.253	1.17678092
GF201	268178	N30157	Hs.43679	Hs.43679	ESTs		1692.832	
GF200	247082	N57848	Hs.24897	Hs.226666	ESTs		1692.62	2.03541197
GF203	824115	AA490616	Hs.34460	Hs.34460	ESTs		1691.391	-1.3998254
GF202	260696	H97597	Hs.114583	Hs.64639	glioma pathogenesis-related protein	RTVP1	1690.073	-1.723272
GF203	815069	AA465188	Hs.90566	Hs.208414	Homo sapiens mRNA; cDNA DKFZp564D0472 (from clone DKFZp564D0472)		1689.648	1.76251486
GF201	51308	H20522	Hs.20969	Hs.20969	ESTs		1688.961	
GF202	743032	AA406062	Hs.98002	Hs.98002	ESTs		1688.929	1.3150319
GF202	309494	N94366	Hs.55041	Hs.55041	ESTs, Highly similar to CGI-22 protein [H.sapiens]		1688.869	1.02494375
GF201	310406	N98591	Hs.93913	Hs.93913	interleukin 6 (interferon, beta 2)	IL6	1687.227	
GF201	269433	N26175	Hs.93405	Hs.93405	ESTs		1686.066	
GF202	35620	R45632	Hs.14599	Hs.14599	ESTs		1685.843	2.1410045
GF200	40562	R55105	Hs.77501	Hs.77501	sarcoglycan, beta (43kD dystrophin-associated glycoprotein)	SGCB	1685.761	1.52857025
GF202	782294	AA432246	Hs.98696	Hs.98696	ESTs		1684.853	-1.2908533
GF201	759200	AA496046	Hs.79064	Hs.79064	deoxyhypusine synthase	DHPS	1683.716	
GF201	267638	N25427	Hs.42524	Hs.108812	ESTs, Weakly similar to B0041.5 [C.elegans]		1683.647	
GF203	396240	AA757927	Hs.121259	Hs.121259	EST		1682.38	-1.6809885
GF202	897821	AA598577	Hs.112474	Hs.250911	interleukin 13 receptor, alpha 1	IL13RA1	1682.333	1.10463853
GF204	1579639	AA969504	Hs.856	Hs.856	interferon, gamma	IFNG	1682.201	

APPENDIX A

GF204	25440	R39821	Hs.127295	Hs.96870	Homo sapiens cDNA FLJ11290 fis, clone PLACE1009622, weakly similar to MATERNAL EFFECT PROTEIN STAUFEN ATP synthase, H+	1682.168	
GF203	825386	AA504246	Hs.64593	Hs.64593	transporting, mitochondrial F1F0, subunit d ESTs, Weakly similar to ADENYLATE CYCLASE, TYPE II [H.sapiens] actin, alpha 2, smooth muscle, aorta	1681.609	-1.4319458
GF203	343923	W69778	Hs.58043	Hs.58043	ACTA2	1681.521	-1.5801792
GF201	868304	AA634006	Hs.119122	Hs.195851		1681.192	
GF202	784264	AA446901	Hs.46541	Hs.260238	Homo sapiens cDNA FLJ10842 fis, clone NT2RP4001343 DEAD/H (Asp-Glu-Ala- Asp/His) box polypeptide 19 (Ddp5, yeast, homolog) neuregulin 2 ubiquitin-conjugating enzyme E2G 2 (homologous to yeast UBC7)	1680.591	1.13451799
GF204	1418726	AA857827	Hs.18665	Hs.226396	DDX19	1679.258	
GF203	1240116	AA706226	Hs.113264	Hs.113264	NRG2	1679.007	-1.1320962
GF201	298097	N69044	Hs.102785	Hs.192853	UBE2G2	1678.175	
GF200	417226	W87741	RG.52	Hs.79070	v-myc avian myelocytomatosis viral oncogene homolog ESTs	1677.382	1.59944291
GF203	435596	AA703159	Hs.41840	Hs.41840	MYC	1677.333	-1.1584331
GF202	743382	AA400512	Hs.21695	Hs.21695	DKFZP434L243 protein	1677.324	1.08377437
GF203	502518	AA156802	Hs.90291	Hs.90291	laminin, beta 2 (laminin S)	1677.228	-1.4233411
GF203	811757	AA463449	Hs.104607	Hs.104607	ESTs	1677.139	-2.5291222
GF200	199610	R96552	Hs.96657	Hs.96657	hypothetical protein Homo sapiens mRNA for KIAA1340 protein, partial cds	1676.12	-1.0897364
GF204	143989	R76890	Hs.125105	Hs.51743		1675.262	

APPENDIX A

GF203	288827	N62535	Hs.15769	Hs.264363	Homo sapiens cDNA FLJ10110 fis, clone HEMBA1002688	1674.519	-1.1527334
GF200	321354	W32403	Hs.18349	Hs.18349	ESTs, Weakly similar to partial CDS [C.elegans]	1674.056	1.14171021
GF203	280831	N50684	Hs.47094	Hs.47094	ESTs	1674.054	1.55718479
GF202	950407	AA599072	Hs.109268	Hs.109268	Homo sapiens clone 24422	1673.274	1.45672936
GF203	665738	AA194189	Hs.85862	Hs.85862	mRNA sequence	1672.912	1.71751536
GF201	139681	R63918	Hs.117546	Hs.117546	ESTs	1672.478	
					neuronatin		NNAT
					ESTs, Weakly similar to ubiquitous TPR motif, Y		
GF203	264627	N20247	Hs.118756	Hs.118756	isoform [H.sapiens]	1672.461	-1.376436
GF201	288894	N62619	Hs.26467	Hs.193143	KIAA1069 protein	1671.934	
					Homo sapiens cDNA		KIAA1069
GF203	813195	AA443193	Hs.16580	Hs.16580	FLJ11026 fis, clone PLACE1004104	1670.89	-1.2963484
					KIAA0735 gene product; synaptic vesicle protein 2B		
GF204	39933	R53963	Hs.8071	Hs.8071	homolog	1670.552	
					Homo sapiens mRNA; cDNA		KIAA0735
GF202	811888	AA454969	Hs.5306	Hs.5306	DKFZp586F1122 (from clone DKFZp586F1122)	1669.755	1.5899223
GF201	854581	AA669136	Hs.75356	Hs.75356	transcription factor 4	1669.129	
					Homo sapiens cDNA		TCF4
GF203	291548	N67797	Hs.118194	Hs.118194	FLJ20109 fis, clone COL05067	1666.498	1.04746766
					UDP-N-acetyl-alpha-D- galactosamine:polypeptide N- acetyl/galactosaminyltransferas e 1 (GalNAc-T1)		
GF203	431397	AA706987	Hs.7498	Hs.80120	EST	1666.309	1.20960586
GF200	121415	T96919	Hs.17922	Hs.17922	ESTs	1666.209	1.87396311
GF202	239199	H70942	Hs.38961	Hs.38961	ESTs	1666.013	1.25714534

APPENDIX A

GF200	343320	W68169	RG.44	Hs.1976	platelet-derived growth factor			
GF203	701411	AA287949	Hs.99689	Hs.99689	beta polypeptide (simian			
GF204	714151	AA285009	Hs.119118	Hs.119118	sarcoma viral (v-sis) oncogene	PDGFB	1665.531	-1.3888129
GF200	242797	H94043	Hs.41949	Hs.24341	homolog)		1665.146	-1.956732
					ESTs		1664.629	
					ESTs		1663.91	2.26000127
GF200	23173	T75436	Hs.89661	Hs.151051	DKFZP58611419 protein	DKFZP58611419		
GF202	743197	AA401438	Hs.97741	Hs.191582	mitogen-activated protein			
GF202	73953	T55197	Hs.110326	Hs.251574	kinase 10	MAPK10	1663.91	1.33033352
					ESTs		1663.889	1.12434353
					EST		1663.385	-1.5064877
					ESTs, Weakly similar to !!!!			
					ALU SUBFAMILY SC			
					WARNING ENTRY !!!!			
GF200	193937	R83853	Hs.57138	Hs.260556	[H.sapiens]		1663.203	1.15747861
					Homo sapiens mRNA; cDNA			
GF200	138752	R63528	Hs.28425	Hs.28425	DKFZp566D224 (from clone		1661.878	1.16899063
					DKFZp566D224)			
					Homo sapiens cDNA			
GF201	322154	W37841	Hs.103017	Hs.15953	FLJ10120 fis, clone		1661.023	
					HEMBA1002863			
GF200	782199	AA431970	Hs.104258	Hs.104258	Homo sapiens mRNA, exon 1,		1660.312	-1.1419531
					2, 3, 4, clone:RES4-24A			
					solute carrier family 7 (cationic			
					amino acid transporter, y+			
GF203	267666	N23174	Hs.22891	Hs.22891	system), member 8	SLC7A8	1659.868	1.05933345
GF204	1272428	AA743240	Hs.91582	Hs.91582	ESTs		1659.727	
GF201	624577	AA187340	Hs.45180	Hs.45180	KIAA0337 gene product	KIAA0337	1658.476	
					putative glioblastoma cell			
GF203	366518	AA026605	Hs.9194	Hs.9194	differentiation-related	GDBR1	1658.298	-1.4681318
					superoxide dismutase 3,			
GF201	795309	AA454160	Hs.99358	Hs.2420	extracellular	SOD3	1657.465	
GF202	306829	N91914	Hs.54751	Hs.54751	ESTs		1657.278	-1.1138137
GF202	743184	AA401409	Hs.97737	Hs.97737	ESTs		1657.211	-1.3584903



APPENDIX A

GF200	826077	AA521401	Hs.979	pyruvate dehydrogenase (lipoamide) beta	PDHB	1656.774	1.08569689
GF202	346612	W74462	Hs.110039	ESTs		1656.686	-1.0029438
GF203	755564	AA419026	Hs.25524	DKFZP564F0923 protein	DKFZP564F0923	1656.178	1.39025841
GF202	795314	AA454163	Hs.123784	ESTs		1655.474	-1.2230391
GF203	162077	H26271	Hs.32185	pleckstrin homology-like domain, family A, member 1	PHLDA1	1655.358	-1.2268416
GF201	795825	AA461505	Hs.14765	ESTs, Weakly similar to retinal rod Na+/Ca+, K+ exchanger			
GF200	301504	W16715	Hs.21602	[H.sapiens]		1654.681	
GF202	773605	AA428368	Hs.30654	nel (chicken)-like 1	NELL1	1654.58	1.20155479
GF201	192569	H41489	Hs.89576	ESTs		1654.445	-1.7192871
GF204	1504481	AA904824	Hs.120260	adaptor-related protein complex 1, beta 1 subunit	ADTB1	1653.973	
GF200	202414	H52623	Hs.53161	ESTs		1653.486	
				Human DNA sequence from clone RP5-977B1 on chromosome 20. Contains the 3' end of the gene for a novel protein tyrosine kinase with Src homology domain 2 domains, a heterogeneous nuclear ribonucleoprotein A3 pseudogene, the gene for a novel protein similar		1653.365	1.91350971
GF203	451805	AA706829	Hs.3307	ESTs		1652.593	1.63970313
GF200	194656	R84407	Hs.33451	ESTs		1652.559	2.26887603
GF203	38691	R51535	Hs.25803	ESTs		1651.883	-1.6052929
GF204	344168	W69567	Hs.129903	polymerase (DNA-directed), lambda	POLL	1651.822	
GF201	278564	N62832	Hs.16488	ESTs		1651.632	
GF201	770588	AA434139	Hs.79531	Homo sapiens TTF-I interacting peptide 20 mRNA, partial cds		1651.517	
GF203	713147	AA283091	Hs.115197	Homo sapiens mRNA for KIAA1219 protein, partial cds		1651.099	2.19804181

APPENDIX A

GF200	198694	R95132	Hs.56185	Hs.221849	ESTs	1650.615	1.27728404
GF202	744605	AA621291	Hs.88111	Hs.88111	ESTs	1650.58	1.59817891
					zinc finger protein 9 (a cellular		
					retroviral nucleic acid binding		
					protein)		
GF201	745503	AA625995	Hs.21110	Hs.21110	ESTs	1650.361	
GF204	1504340	AA897765	Hs.130873	Hs.130873	ESTs	1649.987	
GF200	214165	H77772	Hs.18046	Hs.268961	ESTs	1649.398	1.32146359
					tissue specific transplantation		
					antigen P35B		
GF200	739126	AA421687	Hs.75801	Hs.264428	Homo sapiens cDNA	1649.362	1.16159943
					FLJ20150 fis, clone		
					COL08263		
GF201	322223	W38022	Hs.39094	Hs.108502	ESTs	1648.961	
GF203	27711	R40025	Hs.106551	Hs.106551	ESTs	1648.059	1.08185751
GF203	1468263	AA884935	Hs.24976	Hs.24976	ADP-ribosyltransferase 3	1647.921	-1.4109599
GF202	610342	AA176156	Hs.73363	Hs.120306	ESTs	1647.66	-1.0183038
GF201	207538	H60163	Hs.37811	Hs.25615	YDD19 protein	1647.153	
GF202	344262	W69912	Hs.58076	Hs.58076	ESTs	1646.682	1.79701683
GF204	23529	R38264	Hs.51574	Hs.51574	ESTs	1645.462	
GF202	298236	N70837	Hs.102796	Hs.102796	KIAA1275 protein	1645.217	1.73304248
GF201	810041	AA455282	Hs.107657	Hs.187111	ESTs	1643.512	
GF203	214006	H70775	Hs.123008	Hs.146228	ESTs	1643.465	1.75029439
GF202	785886	AA449361	Hs.6900	Hs.6900	ring finger protein 13	1643.438	-1.3783876
					Homo sapiens cDNA		
					FLJ10361 fis, clone		
					NT2RM2001256, highly similar		
					to PROTEIN TSG24		
GF200	292567	N68492	Hs.40137	Hs.40137	ESTs	1643.126	1.03227351
GF203	742030	AA401452	Hs.32060	Hs.32060	ESTs	1642.598	-1.2158998
					Sjogren syndrome antigen B		
					(autoantigen La)		
GF200	49970	H29484	Hs.83715	Hs.83715	SSB	1641.313	1.04218091
GF202	1031309	AA609088	Hs.112640	Hs.112640	EST	1641.285	-1.6145584
					ESTs, Weakly similar to		
					KIAA0924 protein [H.sapiens]		
					high-mobility group		
					(nonhistone chromosomal)		
GF204	878500	AA775830	Hs.121830	Hs.121830	protein 17	1640.859	
					HMG17		
GF200	241826	H93087	Hs.57431	Hs.181163		1640.633	1.26248668

APPENDIX A

GF204	884666	AA629913	Hs.41345	Hs.20760	DKFZP564M182 protein ESTs, Moderately similar to NY-REN-58 antigen	DKFZP564M182	1639.921
GF201	340670	W56770	Hs.56148	Hs.56148	[H.sapiens]		1639.606
GF201	853066	AA668256	Hs.5719	Hs.5719	KIAA0159 gene product	KIAA0159	1639.04
GF203	701402	AA287936	Hs.70312	Hs.70312	ESTs		1639.004
					Homo sapiens mRNA; cDNA		-1.4086473
GF203	39336	R51186	Hs.22689	Hs.22689	DKFZp586O1318 (from clone DKFZp586O1318)		1637.012
GF204	506483	AA708605	Hs.120150	Hs.120150	EST		1636.773
GF202	229560	H67282	Hs.109304	Hs.265592	ESTs		1636.554
GF202	784229	AA446887	Hs.42911	Hs.42911	ESTs		1635.643
GF202	1049321	AA620783	Hs.112904	Hs.112904	EST		1635.208
GF202	627676	AA196210	Hs.30884	Hs.30884	ESTs		1634.031
GF202	1049213	AA620717	Hs.112889	Hs.112889	ESTs		1633.591
GF203	726580	AA398134	Hs.97490	Hs.97490	ESTs		1633.415
GF201	50675	H17020	Hs.31172	Hs.111373	KIAA0423 protein	KIAA0423	1632.811
GF203	209082	H60739	Hs.33393	Hs.268808	ESTs		1632.762
GF201	795398	AA453283	Hs.104907	Hs.216262	ESTs		1632.384
GF201	415250	W91885	Hs.18488	Hs.18488	ESTs		1632.189
					ESTs, Highly similar to !!! ALU SUBFAMILY SB WARNING ENTRY !!!		-1.4654447
GF201	252278	H87153	Hs.52683	Hs.271599	[H.sapiens]		1631.835
GF202	279656	N48975	Hs.102607	Hs.102607	EST		1629.953
GF201	416305	W86183	Hs.6927	Hs.6927	ESTs		1628.489
					seven transmembrane protein		
GF203	813631	AA447739	Hs.10071	Hs.10071	TM7SF3	LOC51768	1628.471
GF201	795446	AA453616	Hs.41644	Hs.41644	ESTs		1627.7
					Homo sapiens mRNA; cDNA		
GF202	238907	H67876	Hs.39088	Hs.273186	DKFZp761M222 (from clone DKFZp761M222)		1627.16
GF203	276782	N40540	Hs.126740	Hs.126740	ESTs		1626.866
GF202	323133	W42464	Hs.48285	Hs.48285	ESTs		1626.754
GF200	122889	T99881	Hs.14864	Hs.268602	ESTs		1626.48
GF203	813449	AA455951	Hs.99416	Hs.99416	EST		1625.481
							-1.0096341
							1.0519701
							1.83723045
							-1.0279996
							1.26206601
							-1.0096341

APPENDIX A

GF203	769945	AA430409	Hs.27217	Hs.256301	ESTs	1625.296	1.77655626
GF204	192477	H41275	Hs.33855	Hs.33855	ESTs	1625.024	
GF202	305243	N95007	Hs.94486	Hs.94486	EST	1624.911	-1.0882522
GF204	852975	AA68219	Hs.116624	Hs.116624	EST	1624.766	
GF204	814406	AA458911	Hs.124830	Hs.98539	ESTs	1624.13	
GF203	221237	H91861	Hs.125009	Hs.107054	KIAA0821 protein	1624.084	1.18199401
GF200	789204	AA450205	Hs.8146	Hs.8146	translocation protein 1	1622.766	-1.0745298
GF202	814266	AA458993	Hs.115627	Hs.78793	protein kinase C, zeta	1622.62	1.16627853
GF201	191743	H40152	Hs.8853	Hs.94814	ESTs	1621.937	
ESTs, Weakly similar to coded for by C. elegans cDNA							
GF204	731086	AA421482	Hs.110407	Hs.110407	yk173c12.5 [C.elegans]	1621.89	
GF201	501890	AA128017	Hs.61597	Hs.227182	ESTs	1621.582	
GF200	175528	H41196	Hs.33035	Hs.143330	Homo sapiens full length insert cDNA YN88E09	1620.181	-1.1547361
ESTs, Moderately similar to							
GF203	261827	H99202	Hs.42643	Hs.42643	KIAA1016 protein [H.sapiens]	1619.94	-1.2681016
GF201	239862	H80637	Hs.40164	Hs.9059	KIAA0962 protein	1619.093	
GF201	415894	W86387	Hs.18132	Hs.124036	ESTs	1618.644	
GF200	841044	AA486919	Hs.4437	Hs.4437	ribosomal protein L28	1618.31	-1.3452889
guanine nucleotide-binding protein G(i)/G(o) gamma-2 subunit							
GF204	773337	AA425438	Hs.124215	Hs.23767	GNG2	1618.29	
Homo sapiens cDNA							
GF201	841610	AA487457	Hs.7904	Hs.7904	FLJ11074 fis, clone	1618.159	
GF201	417043	W87371	Hs.17884	Hs.17884	PLACE1005027	1617.956	
ESTs							
cartilage oligomeric matrix protein							
(pseudochondroplasia, epiphyseal dysplasia 1, multiple)							
GF201	309515	N94385	Hs.109691	Hs.1584	COMP	1617.714	
GF204	869449	AA680250	Hs.116946	Hs.116946	ESTs	1617.701	
GF203	28705	R40357	Hs.106565	Hs.125180	growth hormone receptor	1617.667	-1.4464847

## APPENDIX A

			Protein inhibitor of activated		PIASX-BETA	
GF201	305271	N95048	Hs.32167	Hs.111323	STAT X	1617.663
GF201	325169	AA284261	Hs.56025	Hs.56025	ESTs	1617.654
GF202	51992	H23230	Hs.22481	Hs.22481	ESTs	1617.14
GF201	855395	AA664009	Hs.75760	Hs.75760	sterol carrier protein 2	1616.627
GF203	826985	AA521370	Hs.104423	Hs.271305	ESTs	1615.514
GF203	324772	W46944	Hs.112453	Hs.92186	KIAA0989 protein	1615.299
GF201	67769	T49657	Hs.100401	Hs.24040	potassium channel, subfamily K, member 3 (TASK)	1614.533
GF200	196444	R92495	Hs.96042	Hs.172648	distal-less homeobox 4	1613.28
GF201	305920	N90419	Hs.54619	Hs.6606	KIAA1109 protein	1612.756
GF203	361642	W96174	Hs.33827	Hs.33827	ESTs, Weakly similar to !!!!	-1.4809454
GF203	450924	AA704698	Hs.120800	Hs.98079	ALU SUBFAMILY J	-1.072485
GF201	261393	H98963	Hs.108854	Hs.108854	WARNING ENTRY !!!!	-1.6653373
GF202	1048671	AA608852	Hs.112603	Hs.112603	[H.sapiens]	
GF203	271115	N34466	Hs.109857	Hs.109857	ESTs	1612.599
GF203	453107	AA700904	Hs.114311	Hs.114311	ESTs	1611.981
GF202	213575	H70163	Hs.114253	Hs.269005	ESTs	1611.424
GF201	857002	AA669637	Hs.75969	Hs.75969	EST	1611.391
GF202	813499	AA456077	Hs.25723	Hs.25723	Homo sapiens mRNA; cDNA DKFZp434H0820 (from clone DKFZp434H0820); partial cds	1611.206
GF203	453107	AA700904	Hs.114311	Hs.114311	CDC45 (cell division cycle 45, S.cerevisiae, homolog)-like	1610.254
GF202	213575	H70163	Hs.114253	Hs.269005	ESTs	1610.151
GF201	857002	AA669637	Hs.75969	Hs.75969	proline-rich protein with nuclear targeting signal	1609.293
GF202	813499	AA456077	Hs.25723	Hs.25723	Sjogren's syndrome/scleroderma autoantigen 1	1609.245
GF201	809694	AA454702	Hs.75602	Hs.7678	cellular retinoic acid-binding protein 1	1607.837
GF204	745097	AA626362	Hs.116160	Hs.116160	EST	1607.816
GF203	812976	AA464606	Hs.30985	Hs.30985	MRS1 protein	1607.548
						1.92731338

APPENDIX A

GF202	773214	AA425653	Hs.19150	Hs.19150	Homo sapiens mRNA; cDNA DKFZp564A2164 (from clone DKFZp564A2164)	1606.957	-1.2893764
GF202	1049336	AA620862	Hs.112915	Hs.112915	ESTs	1606.934	-2.171831
GF204	878138	AA775427	Hs.121817	Hs.121817	ESTs	1606.445	
GF203	450398	AA682861	Hs.118133	Hs.265398	ESTs, Weakly similar to transformation-related protein [H.sapiens]	1606.365	-1.5304346
GF201	809731	AA455509	Hs.25497	Hs.25497	MAX binding protein MNT	1606.272	
GF203	824460	AA490319	Hs.99829	Hs.99829	Homo sapiens cDNA FLJ20565 fis, clone REC00542	1605.891	1.80145709
GF201	263229	H99588	Hs.38070	Hs.38070	lymphoid nuclear protein related to AF4 LAF4	1605.786	
GF200	123817	R00648	Hs.18930	Hs.24104	ESTs, Moderately similar to !!! ALU SUBFAMILY SB2 WARNING ENTRY !!!!	1604.206	1.74245064
GF200	809838	AA455102	Hs.75452	Hs.75452	[H.sapiens] heat shock 70kD protein 2 HSPA2	1604.187	1.43097537
GF203	739247	AA421230	Hs.13453	Hs.13453	splicing factor 3b, subunit 1, 155kD SF3B1	1603.877	1.19842116
GF204	1565445	AA932955	Hs.37617	Hs.37617	ESTs, Weakly similar to KIAA0727 protein [H.sapiens]	1603.86	
GF203	248583	N59790	Hs.3187	Hs.3187	nuclear transcription factor, X- box binding 1 NFX1	1603.802	1.52207726
GF201	33066	R43915	Hs.4958	Hs.4958	ESTs	1603.768	
GF203	825287	AA504211	Hs.115770	Hs.115770	tumor necrosis factor (ligand) superfamily, member 11 TNFSF11	1602.714	-1.9729481
GF202	347472	W81229	Hs.58641	Hs.158196	DKFZP434B103 protein DKFZP434B103	1602.407	1.15931379
GF204	858199	AA633887	Hs.116799	Hs.116799	EST	1601.661	
GF203	435314	AA699919	Hs.114018	Hs.114018	ESTs, Highly similar to 5- aminolevulinatase synthase [H.sapiens]	1601.638	1.27894435
GF203	417706	W89107	Hs.20432	Hs.20432	ESTs	1600.828	1.09313433
GF201	504545	AA149121	Hs.71947	Hs.71947	ESTs	1598.541	

APPENDIX A

GF203	1435339	AA857748	Hs.315	mucin 2, intestinal/tracheal	MUC2	1598.526	1.13518119
GF201	415102	W95001	Hs.656	cell division cycle 25C	CDC25C	1598.073	
GF202	730014	AA416874	Hs.98168	ESTs		1597.875	-1.1335758
GF202	841485	AA487248	Hs.102495	ESTs		1597.813	-1.2361337
GF203	35392	R45221	Hs.23764	YDD19 protein	YDD19	1597.317	-1.5523954
				transition protein 1 (during histone to protamine replacement)			
GF203	1292073	AA707545	Hs.3017	thyroid hormone receptor	TNP1	1597.241	-1.0096973
GF200	811108	AA485677	Hs.119498	interactor 6	TRIP6	1596.952	-1.2417033
GF200	811108	AA485677	Hs.119498	thyroid hormone receptor			
GF203	38517	R51236	Hs.91608	interactor 6	TRIP6	1596.952	-1.2417033
				otoferlin	OTOF	1594.418	-1.098975
				Homo sapiens mRNA; cDNA			
GF201	470006	AA029993	Hs.26774	DKFZp434B1620 (from clone		1594.393	
GF204	145346	R77897	Hs.29696	DKFZp434B1620)		1594.32	
				ESTs			
GF200	756211	AA481868	Hs.112028	Misshapen/NIK-related kinase	MINK	1594.048	-2.3184565
GF204	1276352	AA693513	Hs.120340	ESTs		1593.828	
GF200	142586	R70784	Hs.102696	MCT-1 protein	MCT-1	1592.527	1.13561308
GF202	840786	AA486084	Hs.90725	ESTs		1592.19	1.4868351
GF202	128461	R10140	Hs.114299	ESTs		1592.129	-1.8218288
				Homo sapiens mRNA, chromosome 1 specific			
GF203	768643	AA425630	Hs.92381	transcript KIAA0487		1591.994	-1.9772914
GF204	121873	T97359	Hs.116339	ESTs		1590.731	
				ESTs, Weakly similar to !!!			
GF201	327337	W02102	Hs.53565	ALU CLASS B WARNING ENTRY !!!! [H.sapiens]		1589.956	
GF200	43207	H12981	Hs.19317	GDNF family receptor alpha 2	GFRA2	1589.385	1.30788445
				ESTs, Weakly similar to antigen NY-CO-33 [H.sapiens]			
GF204	753232	AA406371	Hs.31451	ESTs		1589.143	
GF200	548693	AA125825	Hs.33412	ESTs		1589.013	-1.010701

APPENDIX A

GF203	725727	AA394108	Hs.24725	Hs.169119	ESTs	1588.803	-1.5622849
GF202	796366	AA456135	Hs.23023	Hs.23023	ESTs	1588.604	-1.234086
GF202	796513	AA460251	Hs.84549	Hs.84549	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1 (6kD, KFYI)	1587.989	-1.7617285
GF203	279810	N48361	Hs.15787	Hs.15787	Homo sapiens mRNA; cDNA	1587.751	-1.2383907
GF200	207952	H60523	Hs.37844	Hs.37844	DKFZp564O1016 (from clone DKFZp564O1016)	1587.417	-2.9090932
GF204	486710	AA044579	Hs.106080	Hs.107318	kynurenine 3-monooxygenase	1587.146	
GF203	811050	AA485429	Hs.33003	Hs.173381	(kynurenine 3-hydroxylase)	1586.72	1.99967637
GF204	1466599	AA883660	Hs.86458	Hs.86458	dihydropyrimidinase-like 2	1586.17	
GF201	51548	H20826	Hs.31783	Hs.31783	ESTs	1585.956	
GF201	810962	AA459402	Hs.20725	Hs.20725	ESTs, Weakly similar to type 1		
GF201	757220	AA496147	Hs.8186	Hs.8186	RNA helicase pNORF1	1585.866	
GF202	796275	AA460846	Hs.99568	Hs.178318	[H.sapiens]	1585.47	
GF203	450938	AA704713	Hs.108740	Hs.108740	lung cancer candidate	1584.716	-1.3438581
GF202	767425	AA417940	Hs.61833	Hs.271400	ESTs	1584.181	-1.0239578
GF201	590759	AA157955	Hs.11736	Hs.239926	DKFZP586A0522 protein	1582.524	-1.2810223
					ESTs, Weakly similar to protein 4.1-G [H.sapiens]	1581.963	
					sterol-C4-methyl oxidase-like		
					ESTs, Moderately similar to !!!		
					ALU SUBFAMILY SQ		
					WARNING ENTRY !!!!		
GF201	131621	R23738	Hs.106087	Hs.82590	[H.sapiens]	1581.93	
GF200	124502	R01946	Hs.19259	Hs.181003	ESTs	1580.505	-1.3183615
GF203	395711	AA757764	Hs.59472	Hs.204304	ras responsive element binding protein 1	1580.43	2.15863671
GF203	1292432	AA718910	Hs.7345	Hs.7345	MAD1 (mitotic arrest deficient, yeast, homolog)-like 1	1579.729	-1.6862323
GF204	757200	AA443967	Hs.125884	Hs.194114	ESTs	1579.705	



APPENDIX A

GF202	280465	N51590	Hs.84521	Hs.74861	activated RNA polymerase II transcription cofactor 4	PC4	1578.81	-1.1499227
GF201	809473	AA443119	Hs.29759	Hs.29759	RNA POLYMERASE I AND TRANSCRIPT RELEASE FACTOR	PTRF	1578.299	
GF202	320424	W04687	Hs.55305	Hs.55305	ESTs		1576.623	-1.0019313
GF202	244300	N54783	Hs.124726	Hs.269099	ESTs		1575.259	1.17059488
GF204	1415732	AA878195	Hs.125384	Hs.125384	ESTs		1575.239	
GF200	825585	AA504713	Hs.25995	Hs.32675	tubulin-specific chaperone e	TBCE	1574.707	-1.3912217
GF201	293985	N66068	Hs.107678	Hs.213207	ESTs		1574.666	
GF202	298162	N70791	Hs.110535	Hs.180060	ESTs		1574.393	1.40587731
GF200	839890	AA490047	Hs.2853	Hs.2853	poly(rC)-binding protein 1	PCBP1	1572.455	-1.0180186
GF200	111264	T84084	Hs.100608	Hs.196008	ESTs		1572.016	-1.0971526
GF203	809869	AA455133	Hs.99395	Hs.99395	ESTs		1571.76	-1.3635377
GF204	1535106	AA919149	Hs.118315	Hs.236545	long-chain L-2-hydroxy acid oxidase	HAOX2	1571.091	
GF200	327350	W02101	Hs.75598	Hs.75598	heterogeneous nuclear ribonucleoprotein A2/B1	HNRPA2B1	1570.961	-1.3351869
GF201	562409	AA214053	Hs.80595	Hs.80595	NADH dehydrogenase (ubiquinone) Fe-S protein 5 (15kD) (NADH-coenzyme Q reductase)	NDUFS5	1570.788	
GF203	396085	AA757711	Hs.121594	Hs.185940	ESTs		1570.784	1.10847703
GF202	307774	N93057	Hs.54888	Hs.54888	ESTs		1570.624	1.62165765
GF200	127943	R09153	Hs.20300	Hs.20300	ESTs		1570.447	2.00693589
GF200	809598	AA442984	Hs.73932	Hs.73931	major histocompatibility complex, class II, DQ beta 1	HLA-DQB1	1570.325	1.55096761
GF201	299465	N71080	Hs.45582	Hs.271925	ESTs, Moderately similar to !!! ALU SUBFAMILY SQ WARNING ENTRY !!! [H.sapiens]			
GF200	125685	R07594	Hs.96830	Hs.151428	ret finger protein 2	RFP2	1570.197	1.29843785
GF200	531739	AA115901	Hs.2799	Hs.2799	cartilage linking protein 1	CRTL1	1569.683	-1.0178699
GF203	48662	H14988	Hs.107375	Hs.107375	ESTs		1569.482	-1.1215124
GF200	273435	N36882	RG.25	Hs.194148	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	YES1	1569.153	1.21359418

APPENDIX A

GF200	813536	AA455605	Hs.32971	Hs.32971	phosphoinositide-3-kinase, class 3	PIK3C3	1568.495	1.0739957
GF203	726857	AA398360	Hs.97608	Hs.97608	EST		1568.323	-2.0876589
					ESTs, Moderately similar to !!!!			
					ALU SUBFAMILY SP			
					WARNING ENTRY !!!!			
GF201	288683	N62404	Hs.106301	Hs.54073	[H.sapiens]		1568.04	
GF202	773423	AA426038	Hs.104866	Hs.104866	ESTs		1567.931	1.17188405
GF200	214572	H73724	Hs.38481	Hs.38481	cyclin-dependent kinase 6	CDK6	1567.595	1.03291522
					sin3-associated polypeptide, 18kD	SAP18	1567.141	1.13748718
GF203	490729	AA133155	Hs.23964	Hs.23964	KIAA0472 protein	KIAA0472	1566.945	
GF201	291417	N72307	Hs.53824	Hs.6874	ESTs		1566.893	
GF201	50250	H17800	Hs.7154	Hs.7154	ESTs		1566.793	1.43715085
GF202	67237	T52700	Hs.110044	Hs.110044	ESTs		1566.164	-1.2277712
GF202	233246	H75776	Hs.114236	Hs.114236	tetratricopeptide repeat domain 1	TTC1	1566.08	1.11168096
GF200	725274	AA291821	Hs.7733	Hs.7733	ESTs		1565.476	1.09953103
GF202	730530	AA412419	Hs.98155	Hs.98155	RAB32, member RAS oncogene family	RAB32	1565.435	
GF201	472186	AA057378	Hs.32217	Hs.32217	ESTs, Moderately similar to PROTEIN-TYROSINE PHOSPHATASE 1B			
					[H.sapiens]		1564.792	
GF201	418366	W92859	Hs.33773	Hs.175550	Homo sapiens cDNA FLJ20048 fis, clone COL00659			
					nuclear transcription factor Y, alpha	NFYA	1562.871	
GF201	282895	N51226	Hs.47205	Hs.116470	ESTs		1562.79	-1.0188885
GF201	731648	AA412691	Hs.797	Hs.797	Homo sapiens cDNA FLJ20071 fis, clone COL01887		1562.349	
GF203	825234	AA504132	Hs.71725	Hs.162604	ESTs			
					Homo sapiens cDNA FLJ20071 fis, clone COL01887		1562.182	2.46264103
GF203	815760	AA485137	Hs.14328	Hs.14328	ESTs		1560.533	
GF204	858188	AA633866	Hs.82302	Hs.82302				

FOIA b 7 - DEFO

## APPENDIX A

GF202	742898	AA405809	Hs.91073	Hs.77496	small nuclear ribonucleoprotein polypeptide G	SNRPG	1558.549	1.08627741
GF202	358357	W95876	Hs.59741	Hs.59741	ESTs		1558.442	-2.9395111
GF201	124229	R02329	Hs.17607	Hs.144651	ESTs		1558.439	
GF200	840894	AA482243	Hs.2609	Hs.180714	cytochrome c oxidase subunit Via polypeptide 1	COX6A1	1557.855	1.02553308
GF201	307050	N89673	Hs.96642	Hs.96642	ESTs		1557.831	
					Homo sapiens mRNA; cDNA DKFZp434E0517 (from clone DKFZp434E0517)		1557.411	-1.2154171
GF202	796285	AA460848	Hs.23360	Hs.23360	ESTs		1557.121	
GF204	1292105	AA707598	Hs.120029	Hs.120029	ESTs		1554.985	-1.1847256
GF203	324653	W47100	Hs.21657	Hs.21657	ESTs			
					Human gene from PAC 262D12, chromosome 1		1554.775	-2.2749787
GF202	796255	AA460831	Hs.125159	Hs.247324	ESTs		1554.211	-1.187969
GF203	815130	AA481493	Hs.88537	Hs.88537	tyrosine 3- monoxygenase/tryptophan 5- monoxygenase activation protein, beta polypeptide	YWHAB	1554.007	1.58408756
GF200	208161	H62594	Hs.108250	Hs.182238	tyrosine 3- monoxygenase/tryptophan 5- monoxygenase activation protein, beta polypeptide	YWHAB		
GF200	208161	H62594	Hs.5049	Hs.182238	novel protein similar to mouse MOV10	DJ402G11.8	1554.007	1.58408756
GF202	730706	AA411900	Hs.62880	Hs.62880	ESTs		1553.867	-1.6439818
GF200	143169	R73672	Hs.103037	Hs.183576	ESTs		1553.354	-1.290333
GF201	283617	N52875	Hs.47554	Hs.47554	ESTs		1552.413	
					ESTs, Moderately similar to !!! ALU SUBFAMILY SQ WARNING ENTRY !!!			
GF204	230237	H94878	Hs.114306	Hs.82590	[H.sapiens]		1552.254	
GF203	151320	H02612	Hs.30333	Hs.268143	ESTs		1552.063	-1.1121259
GF201	795749	AA460310	Hs.23459	Hs.23459	ESTs		1551.108	
GF204	858132	AA633787	Hs.116797	Hs.116797	ESTs		1551.045	
GF200	45525	H08725	Hs.6253	Hs.142653	ret finger protein	RFP	1550.687	1.37392411

APPENDIX A

GF201	291241	N72210	Hs.94273	Hs.262716	ESTs, Weakly similar to XY40 protein [R.norvegicus] ESTs ESTs cadherin 3, P-cadherin (placental) EST NADH dehydrogenase (ubiquinone) Fe-S protein 8 (23kD) (NADH-coenzyme Q reductase) lymphocyte-specific protein tyrosine kinase KIAA0183 protein ESTs ESTs RAD23 (S. cerevisiae) homolog A tropomyosin 2 (beta) poly(rC)-binding protein 2 EST Human insulin-like growth factor binding protein 5 (IGFBP5) mRNA ESTs ESTs ESTs Homo sapiens mRNA for KIAA1146 protein, partial cds ESTs, Weakly similar to ZINC FINGER PROTEIN 7 [H.sapiens] F-box protein FBL4 ESTs stromal cell-derived factor 1 ESTs	1550.665 1550.388 1549.832 1549.167 1548.871	1.20067236 1.41743888 1.01293925 -1.9502141
GF202	784128	AA432074	Hs.32538	Hs.32538		1547.735	-1.0620678
GF202	364932	AA025274	Hs.61202	Hs.240833		1547.078 1547.069 1546.853 1546.363	-1.015282 -1.5030813 -1.4204145
GF200	773301	AA425556	Hs.2877	Hs.2877		1545.933 1545.281 1545.124 1544.691	1.8302373 -1.2376984 -1.0744421
GF202	287122	N66866	Hs.49278	Hs.207688	CDH3	1544.242 1544.167 1543.415 1542.727	1.02372311 1.36309221 2.11006533
GF203	502141	AA127014	Hs.90443	Hs.90443	NDUFS8	1542.275	1.17504769
GF200	730410	AA420981	Hs.1765	Hs.1765	LCK	1542.166 1542.022 1541.987	1.0700238 -1.0334779
GF200	837905	AA434369	Hs.76666	Hs.76666	KIAA0183	1541.969 1541.004	1.08318874 -1.276205
GF203	813821	AA447780	Hs.96418	Hs.96418			
GF204	452351	AA700865	Hs.117825	Hs.117825			
GF203	770674	AA476274	Hs.76157	Hs.180455			
GF201	740620	AA477400	Hs.118772	Hs.180266			
GF200	782449	AA431841	Hs.63525	Hs.63525			
GF200	141765	R69798	Hs.29036	Hs.29036			
GF201	68049	T52830	Hs.107169	Hs.103391			
GF200	141366	R64449	Hs.28448	Hs.121178			
GF202	730438	AA469972	Hs.104825	Hs.104825			
GF200	212712	H69653	Hs.38886	Hs.269400			
GF202	40178	R53578	Hs.107459	Hs.153489			
GF201	366093	AA074620	Hs.58377	Hs.58377			
GF202	366011	AA063625	Hs.66696	Hs.49526			
GF203	203878	H56453	Hs.37310	Hs.37310			
GF200	784337	AA447115	Hs.77423	Hs.237356			
GF202	730528	AA412418	Hs.98154	Hs.98154			

APPENDIX A

GF202	288668	N59194	Hs.48336	Hs.48336	EST	1539.964	1.09998096
GF202	251442	H96508	Hs.33071	Hs.111515	DKFZP58611023 protein	1539.793	-1.0504802
GF203	1412504	AA845168	Hs.74502	Hs.74502	chymotrypsinogen B1	1539.042	1.16686556
GF203	743810	AA634371	Hs.30114	Hs.30114	ESTs, Highly similar to C8	1538.791	1.12147664
GF204	241391	H81214	Hs.14825	Hs.14825	[H.sapiens]	1538.371	
GF202	299570	N74997	Hs.50577	Hs.171268	ESTs	1538.326	1.11686154
GF203	814779	AA455237	Hs.10177	Hs.10177	Homo sapiens mRNA; cDNA		
GF202	744391	AA621201	Hs.111967	Hs.111967	DKFZp761A07121 (from clone	1538.278	1.16301143
GF202	757199	AA496141	Hs.105378	Hs.105378	DKFZp761A07121)		
GF201	40537	R53059	Hs.75264	Hs.75264	solute carrier family 30 (zinc		
GF202	308031	N92310	Hs.54773	Hs.54773	transporter), member 3	1537.883	-1.677269
GF202	839764	AA505003	Hs.105747	Hs.269416	ESTs	1537.765	1.0210384
GF202	289847	N62074	Hs.48474	Hs.48474	KIAA0972 protein	1537.403	
GF200	796198	AA461424	Hs.30942	Hs.30942	ESTs	1537.047	1.35931843
					ESTs	1536.607	1.56245961
					ESTs	1536.118	1.51737823
					ephrin-B2	1536.025	1.1017009
					ESTs, Weakly similar to		
					alternatively spliced product		
					using exon 13A [H.sapiens]	1535.952	1.84425091
					Homo sapiens mRNA; cDNA		
					DKFZp434J0650 (from clone		
					DKFZp434J0650); partial cds	1535.799	-1.7980003
					biglycan	1535.184	1.65713747
					antigen identified by		
					monoclonal antibodies 12E7,		
					F21 and O13		
					ESTs	1535.08	1.32412446
					ESTs	1534.571	1.60680996
					ESTs, Weakly similar to !!!!	1533.665	-1.6811833
					ALU SUBFAMILY SP		
					WARNING ENTRY !!!!		
					[H.sapiens]		
					PCTAIRE protein kinase 1	1533.583	1.35917562
					EST	1533.291	-2.5511217
						1533.191	2.00963008

T02040" 86226860

## APPENDIX A

ESTs, Moderately similar to TUBULIN BETA-2 CHAIN									
GF204	884653	AA629908	Hs.23189	Hs.23189	[H.sapiens] ESTs ESTs proteasome (prosome, macropain) 26S subunit, non- ATPase, 9 Tax interaction protein 40 sperm membrane protein 1				1532.812
GF202	784085	AA443849	Hs.37268	Hs.37268					1532.135
GF202	744641	AA621313	Hs.112970	Hs.112970					1531.814
									1.22968381
									1.81165211
GF200	758662	AA401853	Hs.5648	Hs.5648	PSMD9				1531.729
GF201	1056200	AA621019	Hs.112933	Hs.112933	TAX40				1531.44
GF201	290091	N63260	Hs.118128	Hs.256747	SMP-1				1531.267
Homo sapiens cDNA FLJ10849 fis, clone NT2RP4001414, highly similar to SEPTIN 2 HOMOLOG serum/glucocorticoid regulated kinase									
GF204	239575	H81313	Hs.34614	Hs.8768					1530.753
GF200	232946	H75599	Hs.35752	Hs.159640	SGK				1530.496
GF200	196005	R91904	Hs.94306	Hs.234642	AQP3				1530.293
GF203	281793	N51771	Hs.79672	Hs.79672	KIAA0652 gene product				1529.601
					KIAA0652				-1.7391464
GF204	211843	H68370	Hs.52363	Hs.193384	Homo sapiens (clone p5-23-3)				1529.019
GF201	22840	R43675	Hs.12316	Hs.12316	mRNA				1528.466
					ESTs				
GF204	290375	N62306	Hs.118103	Hs.152009	super conserved receptor expressed in brain 2	SREB2			1528.024
GF204	858435	AA773987	Hs.59763	Hs.77667	lymphocyte antigen 6 complex, locus E	LY6E			1526.992
sortilin-related receptor, L(DLR class) A repeats-containing interleukin 2 receptor, gamma (severe combined immunodeficiency) selectin L (lymphocyte adhesion molecule 1)									
GF202	279388	N48698	Hs.129951	Hs.278571	SORL1				1526.853
GF200	244355	N75745	Hs.84	Hs.84	IL2RG				1526.844
GF200	149910	H00756	Hs.82848	Hs.82848	SELL				1526.715
									2.80274261

APPENDIX A

ESTs, Weakly similar to !!!!				1526.684			
ALU SUBFAMILY J				1526.666			
WARNING ENTRY !!!!				1525.306			
[H.sapiens]				1525.198			
ESTs				1524.865			
ESTs				1524.337			
Human 40871 mRNA partial				1523.35			
sequence				1522.724			
ESTs				1522.616			
ESTs				1521.954			
ESTs				1521.049			
ESTs				1521.017			
ESTs, Weakly similar to !!!!				1520.488			
ALU SUBFAMILY J				1520.244			
WARNING ENTRY !!!!				1520.136			
[H.sapiens]				1519.956			
Homo sapiens mRNA; cDNA				1519.882			
DKFZp434E082 (from clone				1519.415			
DKFZp434E082)				1519.101			
ESTs				1518.609			
ESTs, Weakly similar to !!!!				1517.28			
ALU SUBFAMILY SB2							
WARNING ENTRY !!!!							
[H.sapiens]							
ralA binding protein 1							
KIAA0966 protein							
ESTs							
H3 histone, family 3A							
activating transcription factor 6							
KIAA0999 protein							
insulin-degrading enzyme							
KIAA0169 protein							

APPENDIX A

GF204	858510	AA774082	Hs.121073	Hs.121073	Homo sapiens mRNA; cDNA DKFZp434K0172 (from clone DKFZp434K0172)	1516.824	
GF200	109309	T80932	Hs.14811	Hs.23767	guanine nucleotide-binding protein G(I)/G(O) gamma-2 subunit	1516.408	1.07600887
GF201	756709	AA443908	Hs.3086	Hs.152818	ubiquitin specific protease 8	1516.212	
GF202	273024	N36389	Hs.109120	Hs.141296	KIAA0226 gene product	1515.532	1.46913809
GF201	357819	W95480	Hs.47003	Hs.47003	ESTs	1515.194	
GF202	291062	N72113	Hs.50187	Hs.50187	Homo sapiens mRNA for KIAA1287 protein, partial cds	1514.482	1.88583966
GF200	511428	AA126115	Hs.92323	Hs.92323	FXD domain-containing ion transport regulator 3	1514.094	1.04063053
GF200	241288	H81104	Hs.19674	Hs.260579	ESTs	1513.9	1.29869239
GF201	291575	N67808	Hs.43744	Hs.43744	ESTs	1512.817	
GF200	52430	H23365	Hs.79971	Hs.79971	sal (Drosophila)-like 2	1512.465	-1.3607125
GF202	730606	AA435975	Hs.98851	Hs.98851	ESTs	1512.457	-1.9884922
GF204	869504	AA680306	Hs.124769	Hs.75839	zinc finger protein 6 (CMPX1)	1512.153	
GF202	841399	AA487552	Hs.61628	Hs.61628	hypothetical protein	1511.891	1.61693796
GF202	278944	N63049	Hs.48699	Hs.48699	ESTs	1511.333	-1.2586932
GF203	362773	AA018556	Hs.14615	Hs.184260	ESTs	1511.307	1.45058688
GF203	815665	AA485117	Hs.105653	Hs.105653	ESTs	1510.897	-1.8623159
GF200	281978	N54221	Hs.45002	Hs.45002	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3)	1510.657	-1.7876176
GF201	325606	AA284245	Hs.74346	Hs.74346	ESTs, Weakly similar to 140G11.h [D.melanogaster]	1510.506	
GF204	26410	R20763	Hs.21433	Hs.21433	ESTs	1510.478	
GF201	324679	W47124	Hs.107774	Hs.141709	KIAA1081 protein	1510.091	
GF202	727305	AA401736	Hs.14369	Hs.172791	ubiquitously-expressed transcript	1509.673	-1.3686553
GF203	123916	R00855	Hs.75706	Hs.275924	dystrophia myotonica- containing WD repeat motif chromobox homolog 1	1509.018	-2.0657557
GF200	786084	AA448667	Hs.77254	Hs.77254	(Drosophila HP1 beta)	1508.736	1.22517242



APPENDIX A

GF201	268650	N23940	Hs.42456	Hs.42456	ESTs	1508.467
GF203	435452	AA701483	Hs.36341	Hs.36341	ESTs	1508.342
GF200	289666	N77779	Hs.104119	Hs.104119	renal tumor antigen	1507.939
GF202	840024	AA490182	Hs.118598	Hs.118598	ESTs	1507.44
GF203	665361	AA195014	Hs.85971	Hs.85971	ESTs	1507.349
					solute carrier family 25	
					(mitochondrial carrier; adenine	
					nucleotide translocator),	
GF201	772304	AA404486	Hs.79172	Hs.79172	member 5	1507.325
GF203	450860	AA682616	Hs.16360	Hs.16360	ESTs	1507.129
GF203	726729	AA398284	Hs.48050	Hs.48050	ESTs	1506.822
					ESTs, Moderately similar to !!!	
					ALU SUBFAMILY J	
					WARNING ENTRY !!!!	
GF200	195232	R91986	Hs.34541	Hs.209508	[H.sapiens]	1506.285
					Homo sapiens mRNA; cDNA	1.85765198
GF203	814528	AA459364	Hs.75497	Hs.75497	DKFZp434M1317 (from clone	1505.841
					DKFZp434M1317)	1.55273195
					ESTs, Highly similar to protein	
GF203	1377071	AA812676	Hs.859	Hs.190913	kinase JNK1 beta1 [H.sapiens]	1505.694
GF203	214512	H73178	Hs.129886	Hs.222088	ESTs	1505.132
GF203	198924	H82974	Hs.125129	Hs.179825	RAN binding protein 2-like 1	1504.248
					RANBP2L1	1.48646013
					DNA2 (DNA replication	
GF203	1372140	AA974495	Hs.89567	Hs.194665	helicase, yeast, homolog)-like	1503.948
					DNA2L	-1.2344602
					ESTs, Weakly similar to hNB-	
GF203	395885	AA757468	Hs.120079	Hs.120079	2s [H.sapiens]	1503.866
GF203	812175	AA456044	Hs.40367	Hs.237382	ESTs	1503.528
GF202	1032080	AA609891	Hs.112777	Hs.112777	EST	1503.461
GF201	46620	H10036	Hs.27977	Hs.206063	ESTs	1503.084
					myeloid/lymphoid or mixed-	
					lineage leukemia (trithorax	
					(Drosophila) homolog);	
GF203	381021	AA057425	Hs.114765	Hs.114765	translocated to, 2	1502.93
					MLLT2	1.27152353

APPENDIX A

GF200	825577	AA504710	Hs.77628	Hs.77628	steroidogenic acute regulatory protein related	MLN64	1502.574	-1.3897242
GF201	323457	W45568	Hs.55892	Hs.151586	ESTs		1502.051	
GF202	767868	AA418876	Hs.5018	Hs.5018	ESTs, Moderately similar to RAS-RELATED PROTEIN		1502.04	-1.1638029
GF201	248886	H82081	Hs.108524	Hs.197289	RAB-28 [H.sapiens]		1501.892	
GF202	305481	N89812	Hs.54538	Hs.138809	rab3 GTPase-activating protein, non-catalytic subunit (150kD)	RAB3-GAP150	1501.067	-1.0096661
GF203	1325816	AA873691	Hs.71618	Hs.71618	polymerase (RNA) II (DNA directed) polypeptide L (7.6kD)	POLR2L	1501.036	-1.5378935
GF203	645628	AA206370	Hs.86248	Hs.86248	ESTs		1501.023	1.55811741
GF204	884903	AA669464	Hs.91867	Hs.91867	ESTs		1500.395	
GF200	897781	AA598517	Hs.78271	Hs.242463	keratin 8	KRT8	1500.372	1.10015732
GF202	757377	AA437137	Hs.98937	Hs.98937	EST		1499.642	-1.7258746
GF202	415157	W93403	Hs.59459	Hs.59459	ESTs		1499.561	1.06800976
GF201	50581	H17036	Hs.14896	Hs.14896	DHHC1 protein	LOC51304	1498.837	
GF200	144852	R78527	Hs.15686	Hs.278627	prenylcysteine lyase	PCL1	1498.292	1.50056671
GF203	43065	R61866	Hs.101277	Hs.101277	ESTs		1498.075	1.45090485
GF200	897806	AA598526	Hs.82765	Hs.197540	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	HIF1A	1498.035	1.05296064
GF200	293847	N66001	Hs.38168	Hs.101874	mouse double minute 4, human homolog of; p53-binding protein	MDM4	1497.883	1.24347849
GF200	782797	AA448194	Hs.77306	Hs.77306	survival of motor neuron 1, telomeric	SMN1	1497.604	-1.0763176
GF202	743034	AA406063	Hs.98003	Hs.98003	ESTs		1497.418	-1.8895272
GF204	855559	AA664211	Hs.116941	Hs.50984	sarcoma amplified sequence	SAS	1497.381	
GF202	609935	AA169154	Hs.72798	Hs.269281	ESTs		1497.108	1.71066288
GF200	203122	H54423	Hs.36905	Hs.260977	ESTs		1497.07	1.50125174
GF201	505584	AA147642	Hs.15819	Hs.95941	ESTs		1496.97	
GF201	51103	H19217	Hs.27358	Hs.27358	ESTs		1496.61	

FOIA b 7 - DEX

## APPENDIX A

GF202	1031592	AA609473	Hs.105187	Hs.105187	ESTs, Moderately similar to kinesin like protein 9 [M.musculus]	1496.439	-1.0741534
GF204	588853	AA157797	Hs.129791	Hs.184950	Homo sapiens chromosome 19, cosmid R29368	1495.868	
GF200	825470	AA504348	Hs.3378	Hs.156346	topoisomerase (DNA) II alpha (170kD)	1495.816	1.03112541
GF200	825470	AA504348	Hs.119142	Hs.156346	topoisomerase (DNA) II alpha (170kD)	1495.816	1.03112541
GF204	1055719	AA628128	Hs.116198	Hs.116198	ESTs	1495.685	
					Homo sapiens cDNA FLJ20277 fis, clone HEP02567	1495.214	1.71232235
GF202	564176	AA121360	Hs.27567	Hs.183860	ESTs	1494.636	1.37294628
GF200	196837	R92865	Hs.35035	Hs.35035	KIAA0040 gene product	1494.246	1.33584999
GF200	814054	AA465479	Hs.77526	Hs.158282	ESTs	1493.256	1.17183143
GF202	731290	AA416627	Hs.98252	Hs.191598	ESTs	1492.762	1.14102156
GF202	40407	R52965	Hs.24853	Hs.24853	ESTs, Highly similar to OPIOID BINDING PROTEIN/CELL ADHESION MOLECULE PRECURSOR		
GF200	773305	AA425422	Hs.115471	Hs.273544	[H.sapiens]	1492.632	1.16695568
GF201	41137	R58974	Hs.20931	Hs.167343	ESTs	1492.148	
					KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	1491.991	1.10507988
GF200	843140	AA485911	Hs.82032	Hs.118778	Homo sapiens cDNA FLJ1129 fis, clone PLACE1006239, weakly similar to BONE PROTEOGLYCAN II PRECURSOR		
GF202	787854	AA452138	Hs.3781	Hs.3781	EST	1491.557	-1.08295553
GF202	360035	AA063577	Hs.66691	Hs.66691	ESTs	1491.237	1.09312158
GF203	767222	AA424650	Hs.40479	Hs.40479	ESTs	1490.877	-1.3186668
GF203	48610	H16179	Hs.28295	Hs.28295	ESTs	1490.747	-2.9389702
GF203	262940	H99791	Hs.42736	Hs.42736	ESTs	1490.351	2.19760193

APPENDIX A

GF204	745185	AA626854	Hs.116179	Hs.116179	EST	1489.974	
GF201	322679	W15499	Hs.102978	Hs.124047	ESTs	1489.414	
GF202	897415	AA489467	Hs.24808	Hs.24808	ESTs	1489.14	1.57070813
GF203	231438	H92571	Hs.130832	Hs.130832	ESTs	1488.583	1.07017236
GF202	1031908	AA609734	Hs.112755	Hs.112755	EST	1488.031	-1.5179714
GF201	271165	N34494	Hs.51750	Hs.250614	ESTs	1487.904	
GF200	344282	W70189	Hs.29133	Hs.25821	Fas (TNFRSF6) associated factor 1	1487.871	1.5628041
GF202	502173	AA129736	Hs.109853	Hs.72050	non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase)	1487.613	1.27704764
GF203	250869	N23606	Hs.93668	Hs.83484	SRY (sex determining region Y)-box 4	1487.294	-1.1387607
GF200	129514	R14858	Hs.105993	Hs.189780	ESTs	1486.292	-2.2064164
GF204	186234	H29724	Hs.29261	Hs.60440	ESTs, Weakly similar to serin protease with IGF-binding motif [H.sapiens]	1485.173	
GF201	198311	R94491	Hs.60409	Hs.132940	ESTs	1484.909	
GF203	768043	AA418852	Hs.22199	Hs.22199	ECSIT	1484.668	2.73349397
GF201	271045	N34372	Hs.74441	Hs.74441	chromodomain helicase DNA binding protein 4	1484.647	
GF201	770878	AA434395	Hs.27935	Hs.27935	ESTs	1484.464	
GF202	731043	AA421280	Hs.97570	Hs.97570	ESTs	1482.142	1.12019035
GF202	594060	AA169355	Hs.90930	Hs.182018	interleukin-1 receptor-associated kinase 1	1481.962	-2.472836
GF201	121256	T96605	Hs.13803	Hs.268645	ESTs	1481.889	
GF200	139558	R62339	Hs.86437	Hs.86437	ESTs, Weakly similar to Dof protein [D.melanogaster]	1481.232	1.48508729
GF202	950450	AA599094	Hs.16056	Hs.188006	KIAA0878 protein	1481.101	1.14765456
GF203	196037	R89363	Hs.16640	Hs.1575	small nuclear ribonucleoprotein D3	1480.996	1.15933702
GF203	1343726	AA725561	Hs.36232	Hs.36232	polypeptide (18kD)	1479.357	-1.5419513
GF203	859383	AA666096	Hs.97879	Hs.74647	KIAA0186 gene product	1478.547	1.16492524
					T cell receptor alpha locus		
					TRA@		

## APPENDIX A

GF202	592807	AA158258	Hs.34131	Hs.211539	eukaryotic translation initiation factor 2, subunit 3 (gamma, 52kD)	EIF2S3	1478.51	-1.3860535
GF200	246546	N73248	Hs.77365	Hs.77365	Homo sapiens cDNA FLJ11000 fis, clone PLACE1002794		1478.002	-1.142602
GF201	278188	N63539	Hs.44599	Hs.184019	Homo sapiens clone 23551 mRNA sequence		1477.982	
GF203	245547	N55167	Hs.13999	Hs.13999	KIAA0700 protein	KIAA0700	1477.928	-1.1621138
GF200	302369	N90137	RG.34	Hs.54589	NCK adaptor protein 1	NCK1	1477.495	1.90731342
GF201	782269	AA431746	Hs.14217	Hs.14217	ESTs		1477.417	
					Homo sapiens cDNA FLJ10697 fis, clone NT2RP3000527, weakly similar to ZINC FINGER PROTEIN 43		1476.648	
GF201	248849	H80749	Hs.40177	Hs.104557	ESTs		1476.626	
GF201	771130	AA429399	Hs.97285	Hs.181895	ESTs		1476.468	-1.0235857
GF202	322173	W37776	Hs.55607	Hs.55607	ESTs		1476.292	-1.1605875
GF202	260718	H97921	Hs.42463	Hs.42463	ESTs			
					ESTs, Weakly similar to thioredoxin-like protein [H.sapiens]		1475.498	
GF204	455256	AA677563	Hs.13201	Hs.13201	EST		1475.244	1.09986215
GF202	1049293	AA620760	Hs.112899	Hs.112899	ESTs		1474.888	
GF201	327239	AA284307	Hs.102966	Hs.269320				
					splicing factor, arginine/serine-rich 8 (suppressor-of-white-apricot, Drosophila homolog)	SFRS8	1473.632	1.27137581
GF203	447167	AA702973	Hs.84229	Hs.84229	ESTs		1473.575	1.07548279
GF202	773392	AA425749	Hs.98444	Hs.98444	Homo sapiens mRNA; cDNA DKFZp761O031 (from clone DKFZp761O031); partial cds		1472.819	
GF201	306066	N91003	Hs.47355	Hs.274256	ESTs		1472.22	
GF204	23095	R38630	Hs.106293	Hs.106293	ESTs		1471.765	
GF201	135503	R32788	Hs.96556	Hs.169552	ESTs			

## APPENDIX A

GF200	41356	R59164	Hs.79129	Hs.155079	protein phosphatase 2, regulatory subunit B (B56), alpha isoform Homo sapiens cDNA FLJ20736 fis, clone HEP08473 EST acid phosphatase 1, soluble	PPP2R5A      ACP1	1471.65      1471.083	1.342303      -1.2248002
GF201	284787	N63102	Hs.48712	Hs.48712	v-myc avian myelocytomatosis viral oncogene homolog	MYC	1470.74	1.61009766
GF202	325600	W52340	Hs.23308	Hs.223042	ESTs, Weakly similar to developmentally regulated protein [R.norvegicus]		1470.173	
GF201	322914	W45148	Hs.75393	Hs.75393	glucose regulated protein, 58kD ESTs	GRP58	1469.598 1469.392	1.60041836 -1.2070805
GF200	812965	AA464600	Hs.79070	Hs.79070	diaphorase (NADH/NADPH) (cytochrome b-5 reductase) ESTs	DIA4	1468.814 1468.7 1468.696	1.09185938 -1.497731 -1.6487309
GF201	795427	AA453528	Hs.38497	Hs.38497	EST replication factor C (activator 1) 3 (38kD)	RFC3	1468.066 1467.788	1.61825022 -2.000871
GF202	511459	AA115310	Hs.55074	Hs.183760	serum-inducible kinase H326	SNK H326	1467.772 1467.507	
GF203	51955	H23091	Hs.31953	Hs.154396	Homo sapiens cDNA FLJ10717 fis, clone NT2RP3001084			1.21936399
GF200	813387	AA455538	Hs.80706	Hs.80706	ESTs, Weakly similar to MHC Class I region proline rich protein [H.sapiens]		1467.3	
GF202	280324	N47083	Hs.46667	Hs.46667	glutathione S-transferase M5 ESTs	GSTM5	1466.776 1466.646	1.78601459 -2.0679099
GF202	34093	R44927	Hs.23654	Hs.23654	protein kinase C, eta cyclin I	PRKCH CCNI	1465.345 1465.162 1464.981	-1.0287552 1.63005595
GF200	256260	H94617	Hs.9969	Hs.115474				
GF203	452609	AA778938	Hs.124870	Hs.191887				
GF201	795877	AA460152	Hs.3838	Hs.3838				
GF200	327304	W02116	Hs.110707	Hs.110707				
GF201	809620	AA458491	Hs.25277	Hs.25277				
GF202	60201	T40444	Hs.8202	Hs.141494				
GF201	277507	N56898	Hs.75652	Hs.75652				
GF202	429727	AA011684	Hs.60536	Hs.60536				
GF200	380245	AA047803	Hs.89616	Hs.1880				
GF203	770888	AA434408	Hs.119038	Hs.79933				

APPENDIX A

GF200	66560	T67053	Hs.111572	Hs.181125	immunoglobulin lambda locus	IGL@	1463.749	-1.0357568
GF201	501674	AA127818	Hs.13291	Hs.13291	ESTs		1462.825	
GF202	143380	R74206	Hs.113696	Hs.268755	ESTs		1462.623	-1.0917427
GF200	504544	AA149096	Hs.89555	Hs.89555	hemopoietic cell kinase	HCK	1462.601	-1.0555729
GF203	754286	AA479285	Hs.105637	Hs.105637	EST		1462.564	-2.1303673
GF203	197727	R94542	Hs.113955	Hs.15192	phosphatidylethanolamine N-methyltransferase	PEMT	1462.278	-1.6522594
					Homo sapiens cDNA			
					FLJ10158 fis, clone			
GF202	840968	AA486551	Hs.104627	Hs.104627	HEMBA1003463		1461.99	1.08395761
					endometrial bleeding			
					associated factor (left-right			
					determination, factor A;			
					transforming growth factor			
					beta superfamily)	EBAF	1461.767	
GF201	340657	W56771	Hs.25195	Hs.25195	Homo sapiens mRNA for			
GF202	610341	AA176164	Hs.23413	Hs.23413	KIAA1273 protein, partial cds		1461.139	1.32578918
GF201	322067	W37375	Hs.78949	Hs.74711	splicing factor similar to dnaj	SPF31	1461.045	
					thyroid receptor interacting			
					protein 10 (CDC42-interacting			
GF200	37491	R49671	Hs.73999	Hs.73999	protein)	TRIP10	1460.678	1.05714472
GF201	343731	W69213	Hs.107740	Hs.107740	Kruppel-like factor 2 (lung)	KLF2	1460.674	
GF203	786239	AA478452	Hs.5967	Hs.5967	ESTs		1460.538	-1.3388453
					aldehyde dehydrogenase 5			
					family, member A1 (succinate-			
GF200	44505	H06675	Hs.2494	Hs.5299	semialdehyde dehydrogenase)	ALDH5A1	1460.279	-1.0477898
GF201	23676	R38291	Hs.100841	Hs.100841	Homo sapiens clone 23676			
					mRNA sequence		1460.237	
GF203	1492304	AA894577	Hs.5092	Hs.5092	nucleolar protein (KKE/D			
					repeat)	NOP56	1459.245	-1.0398336
					myeloid/lymphoid or mixed-			
					lineage leukemia (trithorax			
					(Drosophila) homolog);			
GF201	266318	N26539	Hs.100469	Hs.100469	translocated to, 4	MLLT4	1459.24	

FOUO "B6, C, 25B6D"

## APPENDIX A

GF203	293240	N68679	Hs.129545	Hs.165655	Homo sapiens cDNA FLJ10191 fis, clone HEMBA1004756, weakly similar to Human transporter protein mRNA		1458.822	-1.4152309
GF204	756418	AA482079	Hs.90693	Hs.90693	zinc finger protein	AP4	1457.288	
GF203	325002	W49491	Hs.5806	Hs.5806	ESTs		1457.126	1.11892869
GF201	281982	N51097	Hs.35461	Hs.192999	ESTs, Moderately similar to KIAA0961 protein [H.sapiens]		1457.01	
GF201	291594	N67810	Hs.94195	Hs.210209	ESTs		1456.824	
GF200	153411	R47979	Hs.76807	Hs.76807	Human HLA-DR alpha-chain mRNA		1456.433	1.08869599
GF201	284160	N53512	Hs.100541	Hs.127436	calcium channel, voltage- dependent, alpha 2/delta subunit 2	CACNA2D2	1456.182	
GF200	135212	R32723	Hs.24548	Hs.176648	ESTs		1455.912	1.3161837
GF202	758284	AA404231	Hs.91568	Hs.160881	ESTs		1455.241	1.34884211
GF202	61626	T41024	Hs.8368	Hs.262858	ESTs		1455.208	-1.0918477
GF202	502531	AA134595	Hs.71528	Hs.71528	ESTs		1454.719	1.31073638
GF201	784255	AA446907	Hs.111650	Hs.111650	ESTs, Weakly similar to Prt1 homolog [H.sapiens]		1453.756	
GF201	199241	R95867	Hs.16148	Hs.186544	ESTs		1453.711	
GF202	951304	AA620519	Hs.80844	Hs.154023	KIAA0573 protein	KIAA0573	1452.59	1.01263163
					ESTs, Weakly similar to !!!! ALU SUBFAMILY J			
					WARNING ENTRY !!!!			
GF200	361639	W96268	Hs.89709	Hs.193452	[H.sapiens] purine-rich element binding protein A		1452.446	1.35225537
GF200	177737	H46663	Hs.25180	Hs.25180	ESTs, Weakly similar to hypothetical protein	PURA	1452.094	1.21502094
GF201	782761	AA448168	Hs.97141	Hs.97141	[H.sapiens] Homo sapiens cDNA FLJ11132 fis, clone PLACE1006335		1451.824	
GF204	877822	AA625621	Hs.106005	Hs.106005			1451.782	



## APPENDIX A

GF201	134942	R32334	Hs.104763	Hs.219614	F-box protein FBL11	KIAA1004	1451.653
GF200	148743	H12777	Hs.25088	Hs.25088	ESTs		1451.474
GF203	27072	R37780	Hs.21422	Hs.21422	ESTs		1450.027
GF202	282144	N51883	Hs.47359	Hs.47359	ESTs		1449.536
GF202	279464	N48794	Hs.46530	Hs.46530	EST		1448.97
GF201	71557	T47971	Hs.90353	Hs.208514	ESTs		1447.658
GF204	1472788	AA873172	Hs.126229	Hs.126229	EST		1447.401
					HIV-1 Tat interactive protein,		
GF204	448409	AA777540	Hs.113427	Hs.6364	60 kDa	HTATIP	1447.293
GF202	839545	AA489791	Hs.105297	Hs.156710	ESTs		1447.174
GF201	31969	R41994	Hs.91678	Hs.91678	ESTs		1446.8
GF201	284286	N52192	Hs.46704	Hs.46704	ESTs		1446.294
					Homo sapiens mRNA; cDNA		
GF203	884328	AA629517	Hs.50094	Hs.50094	DKFZp434O0515 (from clone		1445.537
					DKFZp434O0515)		1.19736264
					ESTs, Weakly similar to		
					similar to kinensin-like protein		
GF201	782164	AA431199	Hs.43549	Hs.43549	[C.elegans]		1445
					thioredoxin peroxidase		
GF200	795543	AA459663	Hs.83383	Hs.83383	(antioxidant enzyme)	AOE372	1444.767
					Homo sapiens cDNA		-1.0928555
					FLJ1196 fis, clone		
					PLACE1007688, weakly		
					similar to LA PROTEIN		
GF201	503335	AA130193	Hs.6166	Hs.6166	HOMOLOG		1444.502
GF204	28203	R40328	Hs.6537	Hs.258822	EST		1444.44
					Homo sapiens cDNA		
GF204	39803	R52643	Hs.5111	Hs.5111	FLJ20729 fis, clone		1444.212
					HEP11012		
GF201	810937	AA459389	Hs.26350	Hs.26350	tyrosylprotein sulfotransferase	TPST2	1443.343
					2		
GF204	344977	W72911	Hs.119459	Hs.103180	Homo sapiens HDCMD45P		1442.263
GF202	254694	N25049	Hs.43597	Hs.269047	mRNA, partial cds		1440.808
GF201	41192	R56134	Hs.26507	Hs.26507	ESTs		1440.343
GF204	859660	AA772989	Hs.2982	Hs.2982	ESTs		1440.122
					Sp4 transcription factor	SP4	

APPENDIX A

GF201	135106	R33037	Hs.24583	Hs.24583	Hs.24583	Homo sapiens mRNA; cDNA DKFZp434C0328 (from clone DKFZp434C0328) MAD (mothers against decapentaplegic, Drosophila) homolog 3 phosphoinositide-3-kinase, regulatory subunit 4, p150 ESTs ATP-binding cassette, sub- family A (ABC1), member 4 death-associated protein 6 platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog) KIAA1020 protein ESTs ESTs eukaryotic translation initiation factor 3, subunit 5 (epsilon, 47kD) ESTs ESTs DKFZP586G1517 protein S100 calcium-binding protein A11 (calgizzarin) calpain 5 ESTs eukaryotic translation initiation factor 4E Ste20-related serine/threonine kinase ESTs	1438.312	
GF201	323028	W42414	Hs.83290	Hs.211578	Hs.211578	MADH3	1438.271	
GF201	856174	AA630620	Hs.83050	Hs.83050	Hs.83050	PIK3R4	1437.445	
GF203	767261	AA418403	Hs.65583	Hs.65583	Hs.65583		1437.006	-1.0976875
GF200	380737	AA054358	Hs.40993	Hs.198396	Hs.198396	ABCA4	1436.55	-1.0322046
GF203	292042	N73287	Hs.8181	Hs.180224	Hs.180224	DAXX	1436.112	-1.3360399
GF200	67654	T49539	Hs.1976	Hs.1976	Hs.1976	PDGFB	1435.841	-1.332884
GF202	23345	R39191	Hs.109445	Hs.109445	Hs.109445	KIAA1020	1435.304	-1.4713778
GF202	264449	N21233	Hs.42964	Hs.42964	Hs.42964	ESTs	1435.148	-1.4182415
GF203	684623	AA251363	Hs.87864	Hs.177711	Hs.177711	ESTs	1435.039	2.0124114
GF202	238886	H67864	Hs.8249	Hs.7811	Hs.7811	EIF3S5	1434.881	1.3363361
GF204	25309	R37690	Hs.125204	Hs.268697	Hs.268697	ESTs	1434.258	
GF202	730735	AA435996	Hs.98857	Hs.98857	Hs.98857	ESTs	1433.14	-1.1379363
GF203	1033229	AA779617	Hs.122580	Hs.44155	Hs.44155	DKFZP586G1517	1432.954	-1.7013843
GF200	810612	AA464731	Hs.76155	Hs.256290	Hs.256290	S100A11	1432.512	1.06211406
GF203	448514	AA777637	Hs.6133	Hs.6133	Hs.6133	CAPN5	1432.388	-1.1680027
GF202	251529	H97677	Hs.7104	Hs.7104	Hs.7104	ESTs	1430.339	1.22845369
GF200	665774	AA193254	Hs.79306	Hs.79306	Hs.79306	EIF4E	1430.311	1.09240125
GF200	811890	AA454970	Hs.105751	Hs.105751	Hs.105751	KIAA0204	1429.897	1.25787858
GF202	49993	H28738	Hs.106818	Hs.106818	Hs.106818	ESTs	1429.716	-1.3043265

## APPENDIX A

GF202	69002	T54298	Hs.110240	Hs.9613	Homo sapiens hepatic angiopoietin-related protein (ANGPTL2) mRNA, complete cds	1429.128	-1.9856276
GF203	361317	AA017301	Hs.60796	Hs.235390	Homo sapiens mRNA; cDNA DKFZp761B101 (from clone DKFZp761B101)	1429.106	-1.6094097
GF204	853280	AA663254	Hs.118707	Hs.269509	ESTs	1428.635	
GF202	281345	N47877	Hs.46772	Hs.46772	ESTs	1428.608	-1.1033209
GF200	383089	AA074148	Hs.1857	Hs.1857	phosphodiesterase 6G, cGMP- specific, rod, gamma	1428.587	-1.0301536
GF204	486289	AA044083	Hs.123751	Hs.123751	ESTs	1427.554	
GF202	340898	W57712	Hs.56219	Hs.56219	ESTs	1427.409	-1.28153
GF202	83156	T68113	Hs.111029	Hs.111029	ESTs, Highly similar to SOUL protein [H.sapiens]	1427.381	1.15539192
GF201	417081	W87826	Hs.13477	Hs.13477	ESTs, Weakly similar to reverse transcriptase related protein [H.sapiens]	1426.796	
GF201	366915	AA027147	Hs.103379	Hs.103379	ESTs	1426.751	
GF200	213698	H72290	Hs.39311	Hs.39311	ESTs	1426.419	2.29814396
GF200	813426	AA458653	Hs.75820	Hs.155418	GS3955 protein	1426.129	1.06163515
GF201	810047	AA455284	Hs.49005	Hs.49005	hypothetical protein	1425.958	
GF202	49141	H16554	Hs.13295	Hs.13295	ESTs	1425.323	1.076944
GF202	842769	AA486195	Hs.105690	Hs.261727	ESTs	1425.315	1.09945942
GF201	51826	H22944	Hs.18136	Hs.18136	nicotinamide nucleotide transhydrogenase	1425.1	
GF204	1466931	AA883119	Hs.125906	Hs.125906	ESTs	1424.867	
GF200	121501	T97309	Hs.18032	Hs.268647	ESTs	1424.648	1.81634729
GF202	591422	AA159327	Hs.44860	Hs.44860	ESTs, Moderately similar to glutathione-S-transferase homolog [H.sapiens]	1424.6	1.05263267
GF202	52057	H24323	Hs.103535	Hs.103535	ESTs	1424.357	1.0274952
GF201	429243	AA004274	Hs.19151	Hs.19151	ESTs	1424.274	
GF202	773678	AA433910	Hs.98786	Hs.98786	ESTs	1423.901	1.30953366
GF201	590615	AA148200	Hs.6196	Hs.6196	integrin-linked kinase	1423.349	

ILK

## APPENDIX A

GF203	814662	AA481045	Hs.28298	Hs.28298	adaptor-related protein complex 4, beta 1 subunit	BETA-4	1423.023	-1.2115496
GF203	280699	N47445	Hs.46721	Hs.46721	Homo sapiens mRNA for UCC1 protein (UCC1 gene)		1422.383	-1.0821231
GF200	183120	H42967	Hs.29438	Hs.29438	ESTs		1421.46	1.64353237
GF203	796613	AA461456	Hs.82985	Hs.82985	collagen, type V, alpha 2	COL5A2	1420.166	-1.2974723
GF202	356943	W93299	Hs.59363	Hs.59363	ESTs, Weakly similar to cytokeratin 20 [H.sapiens]		1417.796	1.95312891
GF201	491367	AA148524	Hs.42392	Hs.42392	ESTs		1416.93	
GF204	859886	AA679468	Hs.7370	Hs.7370	phosphatidylinositol transfer protein, beta	PITPNB	1416.562	
GF202	731154	AA417211	Hs.98209	Hs.98209	ESTs		1416.483	-1.3935183
GF202	795230	AA453598	Hs.99336	Hs.99336	ESTs		1416.287	1.1012035
GF202	79817	T64012	Hs.11371	Hs.11371	EST		1416.036	1.80532604
GF201	284288	N52193	Hs.31677	Hs.31677	ESTs		1415.988	
					proteasome (prosome, macropain) subunit, alpha type, 4			
GF203	785701	AA449333	Hs.107325	Hs.251531	ESTs	PSMA4	1415.183	-1.2741688
GF201	429211	AA007283	Hs.107845	Hs.107845	solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2	SLC3A2	1414.203	
					potassium inwardly-rectifying channel, subfamily J, member 6	KCNJ6	1413.879	1.54065389
GF201	51320	H20547	Hs.11173	Hs.11173	EST		1413.43	
GF202	743030	AA406061	Hs.98001	Hs.98001	lymphocyte antigen 6 complex, locus E	LY6E	1413.34	-1.379137
GF203	1470048	AA865464	Hs.77667	Hs.77667	G protein pathway suppressor 1	GPS1	1412.7	1.29704627
GF200	826350	AA521025	Hs.77196	Hs.268530	ESTs		1412.598	-1.5452018
GF203	434902	AA701260	Hs.114492	Hs.192894	DKFZP586I1023 protein	DKFZP586I1023	1412.563	
GF204	512751	AA062688	Hs.61169	Hs.111515	microtubule-associated protein, RP/EB family, member 2	MAPRE2		
GF203	383868	AA704387	Hs.106531	Hs.78335			1412.487	-1.1717513

APPENDIX A

GF201	291290	N72228	Hs.42715	Hs.166076	synovial sarcoma, X breakpoint 2 ESTs ESTs retinoblastoma-binding protein 4 ESTs EST sex hormone-binding globulin ESTs	SSX2	1412.123
GF204	1456974	AA862484	Hs.127787	Hs.180848			1412.007
GF202	40768	R56432	Hs.26536	Hs.26536			1411.907
							-1.2724804
GF200	773599	AA429422	Hs.81058	Hs.16003	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome) Human clone 23909 mRNA, partial cds hypothetical protein	RBBP4	1411.39
GF204	1455791	AA863257	Hs.5621	Hs.5621			1411.234
GF202	266697	N22897	Hs.43275	Hs.43275			1410.804
GF200	82871	T69346	Hs.46319	Hs.46319			1410.257
GF203	451077	AA704443	Hs.120893	Hs.120893		SHBG	1410.196
GF200	809464	AA443093	Hs.82775	Hs.278581	Human DNA sequence from clone 495O10 on chromosome 6q26-27. Contains an RPL37A (60S Ribosomal Protein L37A) pseudogene, the last exon of a gene for a novel protein similar to worm E04F6.2, ESTs, STSs and GSSs	FGFR2	1410.032
GF200	50990	H18436	Hs.12900	Hs.12900			1409.738
GF200	292964	N91105	Hs.48860	Hs.240			1409.534
						DKFZp434B0435	1.06153328
GF204	1292856	AA776722	Hs.56159	Hs.144339			1.21423677
							1.06425507

FO2020-86226860

## APPENDIX A

Human DNA sequence from clone 30M3 on chromosome 6p22.1-22.3. Contains three novel genes, one similar to C. elegans Y63D3A.4 and one similar to (predicted) plant, worm, yeast and archaea bacterial genes, and the first exon of the KIAA0319 gene.									
GF203	768059	AA418914	Hs.9345	Hs.173685	Contains E			1409.269	1.18761257
GF203	257136	N30811	Hs.5852	Hs.4113	S-adenosylhomocysteine hydrolase-like 1	AHCYL1		1409.187	-1.2518544
GF202	796444	AA459981	Hs.99509	Hs.99509	ESTs, Highly similar to titin-like protein [H.sapiens]			1409.089	1.29504465
GF203	1474323	AA922700	Hs.75346	Hs.234279	microtubule-associated protein, RP/EB family, member 1	MAPRE1		1408.28	-1.1260971
GF200	111492	T90785	Hs.7314	Hs.7314	KIAA0614 protein	KIAA0614		1408.183	1.1029892
GF203	769565	AA425821	Hs.23588	Hs.40500	similar to S. cerevisiae RER1	RER1		1407.437	-1.0564736
GF203	753946	AA479109	Hs.19015	Hs.19015	ESTs			1407.43	1.23259394
GF203	265102	N21334	Hs.86870	Hs.256315	abl-interactor 12 (SH3-containing protein)	AIP-1		1407.334	1.08832647
GF200	138455	R68626	Hs.28896	Hs.28896	Homo sapiens mRNA full length insert cDNA clone			1407.196	-1.0536702
EUROIMAGE 609395 dihydrolipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex; maple syrup urine disease)									
GF200	195753	R89083	Hs.89479	Hs.139410		DBT		1406.676	1.26142601
GF202	611324	AA176819	Hs.108489	Hs.267791	ESTs, Moderately similar to alternatively spliced product using exon 13A [H.sapiens]			1406.384	-1.258999
GF201	122685	T99018	Hs.13128	Hs.13128	zinc finger protein 205	ZNF205		1406.364	

APPENDIX A

GF200	51702	H22856	Hs.597	Hs.597	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) GOT1	1406.219	1.6158488
GF203	281449	N51514	Hs.30154	Hs.30154	ESTs, Highly similar to PTD016 protein [H.sapiens]	1405.822	1.34218274
GF201	253009	H88540	Hs.84055	Hs.180532	heat shock 90kD protein 1, alpha	1405.755	
GF201	268960	N24645	Hs.43551	Hs.117995	ESTs	1405.209	
GF201	83342	T68430	Hs.11874	Hs.72085	Homo sapiens cDNA FLJ10853 fis, clone NT2RP4001502	1404.769	
GF201	745339	AA625653	Hs.112269	Hs.236828	KIAA0419 gene product	1404.609	
GF204	186767	H50623	Hs.114929	Hs.180255	major histocompatibility complex, class II, DR beta 1	1404.388	
GF201	588822	AA156560	Hs.82137	Hs.155185	cytosolic ovarian carcinoma antigen 1	1403.532	
GF204	743901	AA634482	Hs.68624	Hs.68624	ESTs	1403.013	
GF202	757152	AA443937	Hs.48433	Hs.48433	endocrine regulator	1402.485	-1.4351088
GF203	767259	AA418402	Hs.98292	Hs.175034	ESTs	1402.353	1.07389436
GF202	731357	AA416795	Hs.98261	Hs.98261	ESTs	1402.302	-1.0177305
GF201	47580	H11718	Hs.27165	Hs.43107	KIAA0555 gene product	1401.628	
GF201	357884	W94486	Hs.43639	Hs.124717	ESTs	1401.541	
GF202	665391	AA195023	Hs.78628	Hs.78628	ESTs, Moderately similar to hNKR-P1a protein [H.sapiens]	1401.508	1.58124343
GF201	282710	N50073	Hs.46892	Hs.84926	butyrate-induced transcript 1	1401.268	
GF200	287300	N68327	Hs.7354	Hs.111515	DKFZP586I1023 protein	1400.9	1.2012885
GF203	277779	N49616	Hs.101862	Hs.1101	POU domain, class 2, transcription factor 2	1400.776	-1.5323157
GF203	897767	AA598470	Hs.10022	Hs.168103	prp28, U5 snRNP 100 kd protein	1400.767	1.15242562
GF201	866694	AA679177	Hs.2427	Hs.260622	Homo sapiens mRNA; cDNA DKFZp434M092 (from clone	1400.461	
GF202	37539	R49645	Hs.7004	Hs.7004	DKFZp434M092) ESTs	1400.279	-1.6945766

APPENDIX A

GF201	345538	W73874	Hs.78056	cathepsin L	CTSL	1399.912	
GF200	810242	AA464711	Hs.77328	complement component 3a		1399.766	1.02254019
GF204	450284	AA703590	Hs.88416	receptor 1	C3AR1	1399.57	
GF203	741962	AA402902	Hs.119189	ESTs		1399.094	1.10135397
GF201	32541	R43300	Hs.22929	ESTs		1398.188	
GF200	135203	R32939	Hs.24567	ESTs		1397.613	1.53682693
ESTs, Highly similar to							
CALCIUM-DEPENDENT							
GROUP X PHOSPHOLIPASE							
GF200	119914	T94293	Hs.110613	A2 PRECURSOR [H.sapiens]		1397.461	-1.0932083
ESTs, Highly similar to							
CALCIUM-DEPENDENT							
GROUP X PHOSPHOLIPASE							
GF200	119914	T94293	Hs.104069	A2 PRECURSOR [H.sapiens]		1397.461	-1.0932083
GF202	129431	R11316	Hs.113205	ESTs		1397.447	1.24803644
eukaryotic translation initiation							
factor 3, subunit 3 (gamma,							
40kD)							
GF204	1636707	A1017703	Hs.58189	ESTs	EIF3S3	1397.204	
GF202	278101	N63500	Hs.48805			1397.009	-1.3017991
ESTs, Weakly similar to							
cytochrome P-450 [H.sapiens]							
GF204	1049009	AA778653	Hs.96937	zinc finger protein 43 (HTF6)	ZNF43	1396.932	1.06893745
GF203	844816	AA773894	Hs.74107	ESTs		1396.233	
GF201	33511	R43897	Hs.22692	ESTs		1396.083	
GF202	112397	T90857	Hs.91057	ESTs		1395.608	-2.2607204
GF203	26729	R36905	Hs.106253	ESTs		1395.284	-1.4547576
GF201	324236	AA284185	Hs.56004	ESTs		1395.155	
GF200	292171	N79167	Hs.21648	ESTs		1394.738	1.43524787
GF203	684160	AA251137	Hs.87803	ESTs		1393.918	1.08479148
GF201	40139	R53954	Hs.106455	ESTs		1393.653	
zinc finger protein homologous							
to Zfp95 in mouse							
GF202	509701	AA058369	Hs.63426		ZFP95	1393.082	-1.2711107



APPENDIX A

GF203	767287	AA418389	Hs.42219	Hs.42219	ESTs KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	1392.933	1.18193763
GF200	184175	H27912	Hs.78040	Hs.78040	ESTs, Weakly similar to putative p150 [H.sapiens] homolog of yeast SPB1	1391.325	-1.1391016
GF201	320254	W15574	Hs.48826	Hs.271739	JM23	1390.594	-1.441327
GF203	309676	N94524	Hs.106582	Hs.23170		1390.426	
GF201	491565	AA115076	Hs.82071	Hs.82071	Cbp/p300-interacting transactivator, with Glu/Asp- rich carboxy-terminal domain, 2	1390.387	CITED2 LOC54505
GF204	743925	AA634500	Hs.114623	Hs.95665	hypothetical protein ESTs, Moderately similar to !!! ALU SUBFAMILY SX WARNING ENTRY !!!!	1389.584	
GF201	267293	N24609	Hs.101578	Hs.241160	[H.sapiens]	1389.148	KIAA1042
GF201	52618	H29303	Hs.52881	Hs.268790	ESTs	1388.848	
GF201	46561	H09757	Hs.93605	Hs.93605	ESTs	1388.076	
GF202	293804	N63904	Hs.6705	Hs.6705	KIAA1042 protein Human DNA from chromosome 19-specific cosmid F25965, genomic sequence	1387.81	
GF201	324313	AA284108	Hs.103084	Hs.56007	TNF receptor-associated factor 3	1387.681	TRAF3
GF200	825399	AA504259	Hs.89676	Hs.89676	ESTs	1387.378	
GF204	753640	AA478730	Hs.105623	Hs.105623	COX10 (yeast) homolog, cytochrome c oxidase assembly protein (heme A: farnesyltransferase)	1387.058	COX10
GF200	160126	H21868	Hs.77513	Hs.77513	ESTs, Weakly similar to contains similarity to C2 domains [C.elegans]	1386.875	
GF201	130032	R19299	Hs.20842	Hs.107716		1386.844	-1.1454306

FO2020-036226860

## APPENDIX A

ESTs, Weakly similar to !!!!									
ALU SUBFAMILY SX									
WARNING ENTRY !!!!									
GF203	303105	N90781	Hs.103009	Hs.103009	[H.sapiens]			1386.73	1.76965052
GF203	1393860	AA853966	Hs.21560	Hs.21560	KIAA0298 gene product	KIAA0298		1385.946	1.25662309
GF203	812145	AA456023	Hs.99402	Hs.99402	EST			1384.823	1.06574403
GF202	731156	AA417212	Hs.98210	Hs.178071	ESTs			1384.779	1.1080938
GF203	755304	AA436327	Hs.9288	Hs.180312	ESTs, Highly similar to CGI-132 protein [H.sapiens]			1383.658	1.5437901
GF202	796760	AA460722	Hs.13396	Hs.13396	Homo sapiens clone 25028 mRNA sequence			1382.008	-1.3640207
GF201	50915	H19107	Hs.7845	Hs.7845	Homo sapiens cDNA FLJ20820 fis, clone ADSE00490			1381.722	
GF203	22161	T66154	Hs.40997	Hs.173705	ESTs, Weakly similar to !!!!			1381.683	-1.2846861
GF204	344006	W70084	Hs.4217	Hs.154740	ALU CLASS C WARNING ENTRY !!!! [H.sapiens]	KIAA0667		1381.619	
GF200	293325	N64862	Hs.58435	Hs.58435	TBP-interacting protein FYN-binding protein (FYB-120/130)	FYB		1380.909	-1.6314993
GF201	190940	H38086	Hs.101830	Hs.108802	N-ethylmaleimide-sensitive factor	NSF		1379.95	
GF200	840636	AA487973	Hs.1082	Hs.155321	serum response factor (c-fos serum response element-binding transcription factor)	SRF		1379.588	1.16625145
GF204	1574914	AA971274	Hs.9547	Hs.9547	Homo sapiens cDNA FLJ10916 fis, clone OVARC1000309, weakly similar to THREONINE SYNTHASE (EC 4.2.99.2)			1379.541	
GF200	161484	H25606	Hs.90979	Hs.5889	ESTs, Weakly similar to W01A11.2 gene product			1379.255	-1.1859613
GF201	78844	T46871	Hs.8503	Hs.8503	[C.elegans] ESTs			1379.179	
GF200	310105	W24246	Hs.27610	Hs.27610	retinoic acid- and interferon-inducible protein (58kD)	RI58		1378.916	1.35211605

1386.73

1385.946

1384.823

1384.779

1383.658

1382.008

1381.722

1381.683

1381.619

1380.909

1379.95

1379.588

1379.541

1379.255

1379.179

1378.916

1.76965052

1.25662309

1.06574403

1.1080938

1.5437901

-1.3640207

-1.2846861

-1.6314993

1.16625145

-1.1859613

1.35211605

FO2020-86226860

## APPENDIX A

GF203	1460110	AA864479	Hs.78596	Hs.78596	proteasome (prosome, macropain) subunit, beta type, 5	PSMB5	1378.224	-1.7053211
GF200	122397	T99312	Hs.18616	Hs.18616	Homo sapiens cDNA			
GF201	265625	N22827	Hs.27295	Hs.27295	FLJ20311 fis, clone HEP07319		1378.086	1.28163454
GF200	35236	R45525	RG.46	Hs.73957	ESTs		1376.979	
GF201	256449	H94739	Hs.108781	Hs.226770	RAB5A, member RAS oncogene family	RAB5A	1376.814	-1.6077252
					DKFZP566C0424 protein	DKFZP566C0424	1375.97	
					Homo sapiens cDNA			
					FLJ10754 fis, clone NT2RP3004544, highly similar to Homo sapiens mRNA for KIAA0554 protein			
GF201	321770	W33154	Hs.47077	Hs.165179	KIAA0554 protein		1375.619	
					cytochrome P450, subfamily XIB (steroid 11-beta-hydroxylase), polypeptide 1	CYP11B1		
GF203	1467195	AA884709	Hs.2610	Hs.2610	KIAA0744 gene product; histone deacetylase 7		1375.172	-1.0411615
GF203	271799	N31605	Hs.102492	Hs.116753	insulin induced gene 1	KIAA0744	1375.107	2.08013021
GF200	207288	H59620	Hs.56205	Hs.56205	ESTs	INSIG1	1374.782	1.27178873
GF204	448195	AA702186	Hs.120804	Hs.191952	Homo sapiens cDNA		1374.676	
					FLJ10296 fis, clone NT2RM1001044, highly similar to Homo sapiens HSPC031 mRNA			
GF204	1603408	AA987623	Hs.108259	Hs.268049	biliverdin reductase A	BLVRA	1374.367	
GF200	627542	AA192419	Hs.81029	Hs.81029	ESTs		1373.777	1.07704852
GF204	460580	AA700305	Hs.118312	Hs.193197	Homo sapiens mRNA; cDNA		1373.744	
					DKFZp434O031 (from clone DKFZp434O031)			
GF201	282201	N51917	Hs.47367	Hs.47367	ESTs		1373.593	1.98089578
GF200	230180	H74330	Hs.39652	Hs.150000	ESTs		1373.277	1.03179889
GF200	282980	N45139	Hs.42640	Hs.42640	ESTs, Highly similar to sorting nexin 9 [H.sapiens]		1373.249	
GF201	309932	N95433	Hs.102940	Hs.7905			1372.928	

## APPENDIX A

GF203	1473289	AA916327	Hs.985	Hs.118126	protective protein for beta-galactosidase (galactosialidosis)	PPGB	1372.497	1.18372265
GF202	730635	AA412739	Hs.98096	Hs.98096	EST		1372.455	-1.4144722
GF203	397254	AA701003	Hs.124101	Hs.222535	ESTs		1372.259	1.57799962
GF204	897559	AA497025	Hs.11069	Hs.5734	KIAA0679 protein	KIAA0679	1372.259	
GF203	713109	AA282983	Hs.50943	Hs.25615	YDD19 protein	YDD19	1371.802	1.05422338
GF201	22334	T88939	Hs.13237	Hs.268740	ESTs		1371.701	
					Homo sapiens cDNA			
					FLJ10417 fis, clone			
GF201	305895	N91276	Hs.42367	Hs.180171	NT2RP1000112		1371.554	
GF203	399143	AA774619	Hs.6045	Hs.182426	ribosomal protein S2	RPS2	1371.013	-1.2464295
					ESTs, Weakly similar to reverse transcriptase			
GF202	427778	AA002258	Hs.59939	Hs.59939	[M.musculus]		1370.671	1.39107254
GF201	815303	AA481562	Hs.80758	Hs.80758	aspartyl-tRNA synthetase	DARS	1369.576	
GF204	25159	R38897	Hs.101270	Hs.101270	ESTs		1368.938	
GF200	202514	H53133	Hs.26980	Hs.26980	ESTs		1368.624	-1.0120935
GF203	267435	N25234	Hs.113632	Hs.183745	ESTs		1368.406	-1.3789055
					S100 calcium-binding protein			
GF201	562729	AA086471	Hs.100000	Hs.100000	A8 (calgranulin A)	S100A8	1367.851	
					peptidylprolyl isomerase A			
GF200	241900	H93021	Hs.36561	Hs.182937	(cyclophilin A)	PPIA	1367.687	1.20904206
GF203	192289	H39022	Hs.24917	Hs.24917	ESTs		1367.524	2.14000036
GF201	261522	H98742	Hs.62421	Hs.242407	G protein-coupled receptor	LOC51704	1367.417	
GF204	447579	AA702118	Hs.124748	Hs.269559	ESTs		1367.405	
					ESTs, Moderately similar to !!!			
					ALU SUBFAMILY SQ			
					WARNING ENTRY !!!!			
					[H.sapiens]			
GF204	868806	AA775198	Hs.124905	Hs.269634	DKFZP564B147 protein	DKFZP564B147	1366.694	
GF201	376214	AA040752	Hs.106677	Hs.151945	KIAA0483 protein	KIAA0483	1366.565	-1.1377908
GF203	646749	AA205572	Hs.28997	Hs.64691	YDD19 protein	YDD19	1366.252	1.05256796
GF203	811874	AA454632	Hs.123157	Hs.25615	Homo sapiens mRNA; cDNA		1365.295	
					DKFZp564A132 (from clone			
					DKFZp564A132)			
GF204	624811	AA182001	Hs.17155	Hs.17155			1365.039	

APPENDIX A

ESTs, Highly similar to CGI-118 protein [H.sapiens] ESTs				1365.034	1.4323597
GF200	232670	H73313	Hs.82389	1364.081	1.16183137
GF203	44007	H05961	Hs.26331		
interleukin 13 receptor, alpha 1 IL13RA1 ESTs				1363.789	1.15619514
GF202	591095	AA158346	Hs.109656	1363.759	1.84140911
GF200	195132	R91215	Hs.53049	1363.501	-1.1893589
GF203	826325	AA521107	Hs.104888	1363.376	
GF201	810038	AA455271	Hs.6789		
DKFZP564C1940 protein gamma-aminobutyric acid (GABA) A receptor, pi methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate cyclohydrolase ESTs				1362.998	-1.1381143
GF200	563598	AA102670	Hs.70725		
insulin-like growth factor 2 (somatomedin A) ESTs				1362.829	1.24986782
GF200	814615	AA480995	Hs.37791	1362.739	-1.3794938
GF203	130104	R20798	Hs.129864		
KH-type splicing regulatory protein (FUSE-binding protein 2) ESTs				1362.509	
GF201	296448	N74623	Hs.119679	1362.189	1.51387454
GF202	416309	W86185	Hs.58800		
SRp25 nuclear protein UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase				1362.023	1.13135499
GF202	266085	N21621	Hs.91142	1361.979	
GF201	251407	H97976	Hs.40095	1361.909	-1.1469067
GF202	591143	AA158375	Hs.103561		
aldose reductase family 1, member B1 (aldose reductase) Homo sapiens cDNA FLJ10776 fis, clone NT2RP4000323				1361.613	
GF201	83345	T63440	Hs.5920	1360.368	1.15265946
GF202	32092	R42695	Hs.13308	1360	1.32706393
GF203	811781	AA463461	Hs.59317	1359.531	-1.3171693
GF203	284004	N53376	Hs.38664		
AKR1B1				1359.445	
GF204	435948	AA701963	Hs.114082		
NT2RP4000323				1358.8	
GF204	1492510	AA879064	Hs.34790		

APPENDIX A

GF201	290895	N72010	Hs.40481	Hs.141358	ESTs, Weakly similar to putative p150 [H.sapiens]	1358.668
					ESTs, Moderately similar to !!!!	
					ALU SUBFAMILY SQ	
					WARNING ENTRY !!!!	
GF202	595161	AA173888	Hs.111088	Hs.270696	[H.sapiens]	1358.055
					phosphodiesterase 6A, cGMP-specific, rod, alpha	1357.81
GF201	361840	W92514	Hs.63260	Hs.182240	PDE6A	1357.688
GF201	256907	N30096	Hs.102484	Hs.102484	glutathione S-transferase A3	
					GSTA3	
GF200	783697	AA446839	RG.67	Hs.79428	BCL2/adenovirus E1B 19kD-interacting protein 3	1357.228
GF203	746075	AA482037	Hs.23025	Hs.23025	BNIP3	1357.074
					ESTs	1.10413534
					Homo sapiens cDNA	1.19904513
GF204	180832	R87717	Hs.15943	Hs.263925	FLJ20101 fis, clone COL04655	1357.045
					HLA class II region expressed gene KE2	1356.312
GF201	417573	W88772	Hs.50546	Hs.205736	HKE2	1356.036
GF204	1523225	AA909184	Hs.93476	Hs.238648	oncostatin M receptor	
					OSMR	
					Homo sapiens cDNA	
GF200	236129	H53732	Hs.8993	Hs.202955	FLJ20507 fis, clone KAT09540	1355.878
GF200	175103	H39187	Hs.57652	Hs.57652	EGF-like-domain, multiple 2	1355.563
					EGFL2	1.19870205
GF200	280882	N50806	RG.30	Hs.108043	Friend leukemia virus integration 1	1353.482
					FLI1	-1.0698306
					Friend leukemia virus integration 1	1353.482
GF200	280882	N50806	Hs.108043	Hs.108043	FLI1	-1.0698306
GF203	449144	AA777510	Hs.121945	Hs.190349	ESTs	1353.021
GF203	44030	H05785	Hs.25425	Hs.25425	ESTs	1352.423
					1.37249171	
					plectin 1, intermediate filament binding protein, 500kD	1351.873
GF200	781362	AA448400	Hs.79706	Hs.79706	PLEC1	-1.0800974
					RAD51 (S. cerevisiae)	
					homolog (E coli RecA)	
GF203	1476053	AA873056	Hs.74	Hs.23044	homolog	1351.346
GF201	795812	AA459858	Hs.98120	Hs.221631	RAD51	1.1860575
					ESTs	1351.313

APPENDIX A

GF203	171664	H18306	Hs.98976	Hs.194684	basoon (presynaptic cytomatrix protein)	BSN	1350.828	-1.4713061
GF200	229467	H79507	Hs.39943	Hs.111515	DKFZP5861023 protein	DKFZP5861023	1350.649	1.3455235
GF204	858672	AA778985	Hs.122592	Hs.122592	ESTs		1350.513	
GF202	254749	N25085	Hs.43617	Hs.269048	ESTs		1350.438	1.11599852
GF203	1472753	AA872402	Hs.93379	Hs.93379	eukaryotic translation initiation factor 4B	EIF4B	1349.718	1.00953613
GF200	950680	AA608557	Hs.74623	Hs.108327	damage-specific DNA binding protein 1 (127kD)	DDB1	1349.636	1.00853413
GF201	376306	AA041254	Hs.106021	Hs.181496	ESTs		1349.534	
GF201	80707	T57851	Hs.90436	Hs.90436	sperm associated antigen 7	SPAG7	1349.339	
GF203	703844	AA278839	Hs.50216	Hs.50216	zinc finger protein (ZFD25)	ZFD25	1349.307	1.1089321
GF204	869458	AA680247	Hs.51451	Hs.204299	ESTs, Moderately similar to alternatively spliced product using exon 13A [H.sapiens]		1349.118	
GF200	258790	N40841	Hs.80247	Hs.80247	cholecystokinin	CCK	1349.065	-1.4163791
GF201	323500	W45688	Hs.3280	Hs.3280	caspase 6, apoptosis-related cysteine protease	CASP6	1349.032	
GF200	208718	H63077	Hs.78225	Hs.78225	annexin A1	ANXA1	1348.799	-1.3394138
GF202	1031911	AA609746	Hs.112758	Hs.112758	EST		1348.697	-1.7002114
GF200	898122	AA598478	Hs.78065	Hs.78065	complement component 7	C7	1348.641	1.7036688
GF201	884842	AA669359	Hs.118857	Hs.118857	ribosomal protein L44	RPL44	1346.985	
GF203	714437	AA293300	Hs.9598	Hs.9598	ESTs, Moderately similar to semaphorin C [M.musculus]		1346.53	1.07008695
GF200	293599	N69302	Hs.25516	Hs.25516	Homo sapiens cDNA FLJ10290 fis, clone MAMMA1002385, weakly similar to		1346.496	-1.3524856
GF203	745606	AA626336	Hs.118666	Hs.118666	RIBONUCLEOPROTEIN RB97D		1346.195	-1.1401297
GF200	73782	T54662	Hs.1340	Hs.1340	Human clone 23759 mRNA, partial cds		1345.915	-1.0717527
GF203	435180	AA705702	Hs.120968	Hs.269591	colipase, pancreatic	CLPS	1345.863	-1.4159755
GF203	813513	AA456093	Hs.34720	Hs.34720	ESTs		1345.826	1.68383268
GF200	785963	AA448593	Hs.12413	Hs.12413	ESTs KIAA0191 protein	KIAA0191	1345.683	-1.1673173

APPENDIX A

GF201	300405	N75842	Hs.14204	Hs.14204	ESTs, Weakly similar to 6-PYRUVYL TETRAHYDROBIOPTERIN SYNTHASE [H.sapiens] Homo sapiens cDNA FLJ10535 fis, clone NT2RP2001070, weakly similar to PUTATIVE PYRIDOXAMINE 5'- PHOSPHATE OXIDASE (EC 1.4.3.5) SON DNA binding protein ESTs, Highly similar to CGI-110 protein [H.sapiens] YDD19 protein	1345.36
GF202	594994	AA172372	Hs.20608	Hs.267963	interleukin 13 receptor, alpha 1 IL13RA1	1345.347
GF200	773618	AA431848	Hs.92909	Hs.92909	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0492	1345.282
GF202	254004	N22302	Hs.43136	Hs.177861	adipose most abundant gene transcript 1	1345.279
GF203	768356	AA425000	Hs.80075	Hs.25615	anti-Mullerian hormone ESTs	1345.277
GF201	502819	AA137266	Hs.82376	Hs.250911	ESTs, Weakly similar to unknown [S.cerevisiae] 3'(2'), 5'-bisphosphate nucleotidase 1	1344.749
GF201	124742	R02173	Hs.17945	Hs.127338	TYRO protein tyrosine kinase binding protein superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) YDD19 protein	1344.519
GF200	183476	H45617	Hs.80485	Hs.80485		1344.506
GF204	1461725	AA884397	Hs.125575	Hs.112432		1344.121
GF204	768944	AA426516	Hs.67332	Hs.177466		1343.463
GF202	328613	W45285	Hs.106057	Hs.261023		1343.194
GF203	645079	AA197334	Hs.86112	Hs.271752		1342.888
GF204	855476	AA664094	Hs.116936	Hs.9963		1342.641
GF200	950489	AA599127	Hs.75428	Hs.75428		1342.429
GF201	417855	W88792	Hs.21218	Hs.25615		1342.221



102020" 86226860

## APPENDIX A

GF203	364111	AA021202	Hs.108604	Hs.183755	Human Chromosome 16 BAC clone C1987SK-A-635H12	1342.118	-1.3612454
GF200	214990	H72027	Hs.80562	Hs.80562	gelsolin (amyloidosis, Finnish type)	1341.581	1.42560896
GF201	795538	AA459651	Hs.99486	Hs.99486	ESTs, Weakly similar to aralar1 [H.sapiens]	1340.801	
GF203	451817	AA706834	Hs.119971	Hs.269938	ESTs	1340.504	1.13130343
GF201	284151	N53511	Hs.102686	Hs.206521	YME1 (S.cerevisiae)-like 1	1340.258	
GF202	304841	N93185	Hs.54911	Hs.54911	ESTs	1340.156	1.15979761
GF201	417059	W87801	Hs.108209	Hs.108209	ESTs	1339.743	
GF202	281936	N51069	Hs.47189	Hs.47189	ESTs	1339.715	-1.1126706
GF201	586839	AA130870	Hs.110969	Hs.239298	microtubule-associated protein 4	1339.166	
GF203	753626	AA479952	Hs.87365	Hs.154145	guanine nucleotide binding protein (G protein), alpha	1339.163	-1.063496
GF202	743024	AA406058	Hs.97999	Hs.97999	activating activity polypeptide, olfactory type	1338.705	-2.3378134
GF200	200174	R97804	Hs.18723	Hs.18723	EST	1338.521	-1.4210431
GF203	811836	AA463629	Hs.23747	Hs.237225	ribosomal protein S5	1338.414	-1.3494999
GF201	52577	H29566	Hs.7071	Hs.170226	pseudogene 1	1338.017	
GF202	595318	AA164301	Hs.72548	Hs.72548	Homo sapiens clone 23579 mRNA sequence	1337.995	-1.1923838
GF200	199571	R96490	Hs.28273	Hs.28273	ESTs	1337.709	-1.3003142
GF200	814260	AA459208	Hs.74050	Hs.74050	follicular lymphoma variant translocation 1	1337.156	-1.6124491
GF203	397224	AA700989	Hs.118865	Hs.269545	ESTs	1336.409	1.19000347
GF201	795570	AA459676	Hs.55756	Hs.55756	ESTs	1336.379	
GF201	795279	AA454022	Hs.61282	Hs.191415	ESTs	1335.376	
GF202	773321	AA425447	Hs.74553	Hs.206521	YME1 (S.cerevisiae)-like 1	1334.045	-1.0194559
GF203	1493390	AA894687	Hs.75117	Hs.75117	interleukin enhancer binding factor 2, 45kD	1333.556	1.00475693

APPENDIX A

Homo sapiens cDNA					
GF200	295140	N71647	Hs.42362	Hs.42362	1332.604
GF203	278540	N62925	Hs.48644	Hs.48644	1332.347
GF202	730386	AA469958	Hs.105326	Hs.105326	1332.279
similar to SPLICING FACTOR, ARGININE/SERINE-RICH 4					
GF202	813859	AA447804	Hs.104253	Hs.98614	1331.679
GF201	345957	W72207	Hs.2621	Hs.2621	1330.882
ribosome binding protein 1 (dog 180kD homolog)					
GF203	290235	N64391	Hs.100581	Hs.234573	1330.727
GF201	303112	N90775	Hs.29941	Hs.169836	1330.497
GF201	267808	N23299	Hs.108897	Hs.154332	1330.37
GF202	276689	N34892	Hs.44647	Hs.44647	1330.121
chemokine (C-X-C motif), receptor 4 (fusin)					
GF200	79629	T62491	Hs.89414	Hs.89414	1330.08
GF204	173145	H20519	Hs.31760	Hs.7357	1330.037
GF201	795875	AA460151	Hs.97543	Hs.97543	1329.592
GF201	304858	N93193	Hs.80310	Hs.175400	1329.57
GF203	251910	H97475	Hs.42376	Hs.42376	1329.514
ESTs, Weakly similar to ORF2 [M.musculus]					
GF201	252434	H87363	Hs.28439	Hs.28439	1329.284
Homo sapiens cDNA					
GF203	29258	R41461	Hs.21897	Hs.50848	1329.043
GF202	488751	AA046043	Hs.111680	Hs.111680	1328.436
endosulfine alpha transforming growth factor beta-stimulated protein TSC-22					
GF201	868630	AA664389	Hs.74632	Hs.114360	-1.0442964
GF202	731476	AA412289	Hs.98123	Hs.98123	-2.0700113
ESTs					
ESTs, Weakly similar to ORF YKR087c [S.cerevisiae]					
GF202	266747	N22924	Hs.8108	Hs.8108	1328.359
					1328.319
					1.20033393
					-1.1003822

APPENDIX A

ESTs, Weakly similar to !!!!					ALU SUBFAMILY SQ					WARNING ENTRY !!!!				
GF202	509478	AA056387	Hs.112200	Hs.112200	[H.sapiens]					proliferation-associated 2G4,				
GF202	359072	W92315	Hs.59669	Hs.59669	EST					38kD				
GF202	201213	R99471	Hs.36125	Hs.36125	ESTs					ESTs				
GF202	842973	AA488332	Hs.5181	Hs.5181	PA2G4					EST				
GF203	433407	AA701634	Hs.38559	Hs.38559	adaptor-related protein					complex 2, sigma 1 subunit				
GF202	502397	AA156737	Hs.103904	Hs.103904	ESTs					ESTs				
GF201	739109	AA421518	Hs.119591	Hs.119591	CLAPS2					perilipin				
GF203	279741	N48345	Hs.100965	Hs.177713	ESTs, Weakly similar to					ESTs, Weakly similar to				
GF200	108330	T70850	Hs.103253	Hs.103253	alternatively spliced product					using exon 13A [H.sapiens]				
					membrane interacting protein					of RGS16				
GF202	611953	AA180060	Hs.68751	Hs.68751	MIR16					ESTs, Weakly similar to !!!!				
GF201	51239	H19340	Hs.92611	Hs.107014	ALU SUBFAMILY SC					WARNING ENTRY !!!!				
					[H.sapiens]					[H.sapiens]				
GF204	20075	H17321	Hs.117688	Hs.117688	DEAD/H (Asp-Glu-Ala-					Asp/His) box polypeptide, Y				
GF201	782679	AA447588	Hs.99120	Hs.99120	chromosome					DBY				
GF201	47005	H09825	Hs.6818	Hs.6818	ESTs					inter-alpha (globulin) inhibitor				
					H4 (plasma Kallikrein-sensitive					glycoprotein)				
GF200	247863	N77653	Hs.38671	Hs.76415	ITI4					FLJ10667				
GF203	39814	R53929	Hs.86149	Hs.86149	hypothetical protein					ESTs				
GF202	501543	AA135638	Hs.103838	Hs.223756	Homo sapiens mRNA for					KIAA1397 protein, partial cds				
GF202	625838	AA187679	Hs.111114	Hs.102237	DKFZP586P2421 protein					ESTs				
GF202	629906	AA219100	Hs.109439	Hs.109439	DKFZP586P2421					ESTs				
GF202	609530	AA180163	Hs.80890	Hs.80890										

APPENDIX A

GF202	251827	H96658	Hs.42217	Hs.42217	EST	1319.099	-1.6928237
GF202	726703	AA398264	Hs.7888	Hs.7888	Homo sapiens clone 23736 mRNA sequence	1318.551	-1.8262513
GF204	447510	AA702243	Hs.18575	Hs.18575	ESTs, Weakly similar to KIAA0246 [H.sapiens]	1318.377	
GF202	502546	AA136016	Hs.109694	Hs.109694	Homo sapiens mRNA; cDNA DKFZp564E2282 (from clone DKFZp564E2282)	1318.045	1.68097916
GF201	770993	AA427406	Hs.22909	Hs.1432	protein kinase C substrate 80K; H	1317.991	
GF200	196125	R92347	Hs.34574	Hs.34574	ESTs PRKCSH	1317.877	1.34737598
GF200	283398	N57594	Hs.8769	Hs.8769	Homo sapiens mRNA; cDNA DKFZp564E153 (from clone DKFZp564E153)	1317.641	1.09035579
GF204	436782	AA702821	Hs.124778	Hs.124778	ESTs	1317.233	
GF203	754474	AA410310	Hs.98073	Hs.98073	ESTs	1316.998	-1.4842574
GF203	450598	AA704587	Hs.119830	Hs.119830	ESTs, Weakly similar to !!! ALU CLASS F WARNING ENTRY !!! [H.sapiens]	1316.981	1.02874047
GF201	755750	AA496628	Hs.119232	Hs.275163	non-metastatic cells 2, protein (NM23B) expressed in NME2 ATPase, H+ transporting, lysosomal (vacuolar proton pump), alpha polypeptide, 70kD, isoform 1	1316.886	
GF200	263040	N28391	Hs.5119	Hs.5119	ATP6A1	1316.604	1.2071073
GF202	897527	AA496944	Hs.8768	Hs.8768	Homo sapiens cDNA FLJ10849 fis, clone NT2RP4001414, highly similar to SEPTIN 2 HOMOLOG	1316.458	1.63624966
GF202	1031584	AA609312	Hs.116415	Hs.116415	ESTs	1316.318	-2.085204
GF202	415063	W93127	Hs.59422	Hs.59422	ESTs	1316.307	1.75022368
GF204	147468	R81177	Hs.52644	Hs.52644	SKAP55 homologue	1316.003	
GF203	450653	AA682502	Hs.84063	Hs.84063	SKAP-HOM ESTs	1315.875	1.41335312

APPENDIX A

GF200	166195	R88242	Hs.75108	Hs.75108	ribonuclease/angiogenin inhibitor	RNH	1315.276	1.10895867
GF202	838662	AA457232	Hs.11379	Hs.27299	Homo sapiens cDNA FLJ11340 fis, clone PLACE1010771, highly similar to M.musculus HCNGP mRNA		1315.234	1.35975398
GF200	823663	AA489729	Hs.52788	Hs.52788	fragile X mental retardation, autosomal homolog 2	FXR2	1315.092	1.09634443
GF203	814942	AA465521	Hs.80358	Hs.80358	SMC (mouse) homolog, Y chromosome	SMCY	1314.978	2.53770803
GF201	795256	AA453994	Hs.7788	Hs.7788	ESTs		1314.403	
GF201	504657	AA142966	Hs.21490	Hs.21490	KIAA0438 gene product	KIAA0438	1313.872	
GF203	324513	W51909	Hs.40098	Hs.40098	ESTs		1313.735	-1.6954827
GF201	503334	AA134111	Hs.103165	Hs.103165	ESTs		1313.52	
GF200	204335	H59915	Hs.83525	Hs.278667	CD24 antigen (small cell lung carcinoma cluster 4 antigen)	CD24	1313.222	1.84869504
GF200	210431	H64938	Hs.38331	Hs.38331	ESTs		1313.217	1.74605552
GF204	1031994	AA609992	Hs.94547	Hs.179608	retinol dehydrogenase homolog	RDHL]	1312.933	
GF202	950700	AA608572	Hs.36454	Hs.184011	pyrophosphatase (inorganic)	PP	1312.905	-2.2262449
GF201	490755	AA133167	Hs.6829	Hs.6829	ESTs		1312.817	
GF200	756666	AA443982	Hs.118229	Hs.183994	protein phosphatase 1, catalytic subunit, alpha isoform	PPP1CA	1312.21	1.08248771
GF200	756666	AA443982	Hs.78092	Hs.183994	protein phosphatase 1, catalytic subunit, alpha isoform	PPP1CA	1312.21	1.08248771
GF204	491529	AA148533	Hs.6759	Hs.6759	ESTs, Weakly similar to reverse transcriptase homolog [H.sapiens]		1311.457	
GF204	506143	AA708955	Hs.61490	Hs.61490	schwannomin interacting protein 1	SCHIP-1	1311.286	
GF204	1032006	AA610005	Hs.61515	Hs.61515	ESTs		1311.233	
GF202	796367	AA456143	Hs.25298	Hs.25298	ESTs		1311.117	-1.5494513
GF200	251461	H98001	Hs.14619	Hs.14619	ESTs		1310.875	1.0067078

APPENDIX A

GF200	43826	H05768	Hs.86905	Hs.86905	ATPase, H+ transporting, lysosomal (vacuolar proton pump) 42kD; Vacuolar proton-ATPase, subunit C; V-ATPase, subunit C	ATP6D	1310.782	1.3330906
GF204	1632221	AI005339	Hs.9006	Hs.9006	VAMP (vesicle-associated membrane protein)-associated protein A (33kD)	VAPA	1310.701	
GF203	452671	AA779234	Hs.117085	Hs.117085	ESTs		1310.588	1.15318565
GF200	950574	AA608514	Hs.75387	Hs.180877	H3 histone, family 3B (H3.3B)	H3F3B	1310.35	-1.2295246
GF202	730992	AA416662	Hs.98244	Hs.98244	ESTs		1310.158	-1.2003774
GF202	429123	AA004810	Hs.92993	Hs.92993	ESTs		1310.099	-1.3671223
GF203	785766	AA449688	Hs.3619	Hs.268122	hypothetical protein	LOC51321	1309.495	-1.1608456
					Homo sapiens mRNA; cDNA DKFZp566D1146 (from clone DKFZp566D1146)			
GF201	782306	AA432253	Hs.7358	Hs.7358	ESTs		1309.457	
GF202	244011	N38791	Hs.124195	Hs.124195	ESTs		1309.239	1.44136837
GF201	782771	AA448171	Hs.98588	Hs.98588	ESTs		1309.027	
GF201	417424	W88571	Hs.86185	Hs.86185	Alu-binding protein with zinc finger domain	ABP/ZF	1308.902	
GF201	795315	AA454172	Hs.59839	Hs.59839	ESTs		1308.537	
GF201	322537	W15263	Hs.5422	Hs.5422	ESTs		1308.184	
GF200	814595	AA480906	Hs.75871	Hs.75871	protein kinase C binding protein 1	PRKCBP1	1307.621	1.09742651
					tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	YWHAB	1307.292	1.33559452
GF200	208161	H62594	Hs.108250	Hs.182238	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	YWHAB		
GF200	208161	H62594	Hs.5049	Hs.182238	leucyl-tRNA synthetase, mitochondrial	KIAA0028	1307.292	1.33559452
GF201	172495	H19822	Hs.2450	Hs.2450	KIAA0512 gene product	KIAA0512	1306.136	
GF202	564158	AA114250	Hs.48924	Hs.48924			1305.627	1.088022

FO2020-03626860

## APPENDIX A

GF203	137602	R39582	Hs.106148	Hs.106148	Homo sapiens mRNA; cDNA DKFZp434G0972 (from clone DKFZp434G0972)	1305.242	1.16142914
GF203	825805	AA505134	Hs.23618	Hs.23618	Homo sapiens cDNA FLJ20092 fis, clone COL04215	1305.229	-1.5048237
GF200	824352	AA489678	Hs.75563	Hs.178658	RAD23 (S. cerevisiae) homolog B	1305.228	-1.0916932
GF203	884511	AA629999	Hs.75752	Hs.75752	cytochrome c oxidase subunit VIlb	1304.269	-1.6823489
GF202	23774	R38196	Hs.106298	Hs.4210	ESTs	1304.057	-1.0542576
GF202	279269	N48593	Hs.121820	Hs.121820	ESTs	1303.222	-2.1251145
GF201	132395	R26536	Hs.95322	Hs.18192	Ser/Arg-related nuclear matrix protein (plenty of prolines 101- like)	1302.997	
					SRM160		
					ESTs, Weakly similar to EPIDERMAL GROWTH FACTOR RECEPTOR		
GF201	232887	H73479	Hs.39603	Hs.172849	KINASE SUBSTRATE EPS8 [H.sapiens]	1302.415	
GF201	40402	R52089	Hs.22172	Hs.172717	ESTs	1302.323	
					dual-specificity tyrosine-(Y)- phosphorylation regulated kinase 2	1302.307	1.16915451
GF200	787861	AA452376	Hs.8950	Hs.173135	FK506-binding protein 1A (12kD)	1302.294	1.29886629
GF202	745496	AA625981	Hs.752	Hs.752	ESTs	1301.996	-1.0812468
GF203	684813	AA251561	Hs.48689	Hs.48689			
					aldehyde dehydrogenase 5 family, member A1 (succinate- semialdehyde dehydrogenase)	1301.648	1.08177551
GF202	842879	AA486410	Hs.5299	Hs.5299	ESTs	1301.447	
GF201	491504	AA150107	Hs.81810	Hs.81810	ESTs	1301.415	1.10971236
GF202	41739	R52679	Hs.106432	Hs.106432	ESTs	1301.326	-1.0270901
GF200	39593	R51912	Hs.12409	Hs.12409	somatostatin	1301.315	-1.1653255
GF200	361204	AA017526	Hs.53563	Hs.53563	collagen, type IX, alpha 3	1301.095	1.02438415
GF202	731098	AA421166	Hs.98095	Hs.98095	ESTs		

APPENDIX A

GF200	741139	AA402207	Hs.29279	Hs.29279	eyes absent (Drosophila)	EYA2	1300.875	1.98004121
GF202	322005	W37418	Hs.43845	Hs.43845	homolog 2		1300.779	-1.0790757
GF204	1468651	AA884666	Hs.125610	Hs.156972	ESTs		1300.69	
GF201	784296	AA447079	Hs.1790	Hs.1790	EST			
GF201	320509	W04674	Hs.100692	Hs.31086	nuclear receptor subfamily 3, group C, member 2	NR3C2	1300.417	
GF204	1455242	AA865224	Hs.125475	Hs.125475	Homo sapiens mRNA for cytochrome b5, partial cds		1299.742	
					ESTs		1299.688	
GF200	785845	AA449118	Hs.75133	Hs.75133	transcription factor 6-like 1 (mitochondrial transcription factor 1-like)	TCF6L1	1299.391	-1.2119116
GF203	289505	N59244	Hs.44829	Hs.44829	ESTs		1298.468	-1.4632683
GF204	1055581	AA620896	Hs.43481	Hs.43481	ESTs		1298.298	
GF203	399562	AA733061	Hs.9082	Hs.9082	nucleoporin p54	NUP54	1298.104	1.38975054
GF200	195712	R89492	Hs.9669	Hs.167529	Human cytochrome P4502C9 (CYP2C9) mRNA, clone 25		1297.684	-1.2920071
GF201	264895	N21170	Hs.5148	Hs.5148	FLN29 gene product	FLN29	1297.637	
GF201	488160	AA058713	Hs.59380	Hs.146013	ESTs		1297.11	
GF201	731369	AA421046	Hs.7970	Hs.7970	DKFZP434B027 protein	DKFZP434B027	1296.824	
GF203	346009	W72140	Hs.119336	Hs.155455	phosphofructokinase, liver ESTs, Weakly similar to !!!!	PFKL	1296.513	-1.1176394
					ALU SUBFAMILY SQ			
					WARNING ENTRY !!!!			
GF201	505385	AA156247	Hs.67607	Hs.183997	[H.sapiens]		1296.403	
GF203	267859	N23315	Hs.8645	Hs.8645	hypothetical protein	LOC51256	1296.399	2.83523652
GF202	593185	AA165678	Hs.23034	Hs.182356	ESTs		1296.155	-1.0148636
GF203	745542	AA626255	Hs.76394	Hs.76394	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	ECHS1	1295.459	-1.600327
					NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13)	NDUFA5	1294.949	1.34503068
GF200	950578	AA608515	Hs.83916	Hs.83916	ESTs		1294.39	
GF201	290476	N67972	Hs.48372	Hs.48372	ESTs			
GF201	773685	AA433920	Hs.8167	Hs.129928	KIAA0454 protein	KIAA0454	1294.209	



APPENDIX A

GF200	767069	AA424516	Hs.82845	Hs.82845	Human clone 23815 mRNA sequence	1294.141	1.18083676
GF202	843085	AA488628	Hs.6179	Hs.6179	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 17 (72kD)	1293.574	1.5272982
GF201	884283	AA669750	Hs.6940	Hs.12028	H.sapiens mRNA for retrotransposon	1293.406	
GF202	772962	AA476258	Hs.44070	Hs.44070	ESTs	1292.668	-1.1305772
GF203	898210	AA598597	Hs.8145	Hs.174139	chloride channel 3	1292.648	-1.6006005
GF200	194384	R83000	Hs.75924	Hs.101025	basic transcription factor 3	1292.147	1.74788634
GF201	795770	AA460319	Hs.48469	Hs.48469	LIM domains containing 1	1292.073	
GF203	755474	AA410636	Hs.78770	Hs.172801	isoleucine-tRNA synthetase	1292.021	1.16747621
GF200	141314	R63811	Hs.25580	Hs.113029	ribosomal protein S25	1291.773	-1.045467
GF203	454970	AA676625	Hs.9029	Hs.9029	DKFZP434G032 protein	1291.601	-2.0493659
GF201	447509	AA702254	Hs.72930	Hs.11135	major histocompatibility complex, class II, DN alpha	1291.547	
GF203	665952	AA193442	Hs.65805	Hs.65805	ESTs	1291.472	1.68787524
GF204	449159	AA777524	Hs.121947	Hs.165374	ESTs, Weakly similar to phospholipase C-delta4 [R.norvegicus]	1291.192	
GF200	591683	AA147214	Hs.80409	Hs.80409	growth arrest and DNA-damage-inducible, alpha	1291.044	1.05012787
GF201	52642	H29590	Hs.14822	Hs.14822	ESTs	1290.724	
GF201	745433	AA625859	Hs.104481	Hs.104481	Nck, Ash and phospholipase C binding protein	1290.5	
GF204	866633	AA679150	Hs.100739	Hs.7935	KIAA0952 protein	1290.332	
GF201	743263	AA400093	Hs.32271	Hs.32271	Homo sapiens cDNA FLJ10846 fis, clone NT2RP4001373	1290.248	
GF203	435739	AA700783	Hs.118369	Hs.186813	ESTs	1290.04	1.066758
GF201	259066	N32832	Hs.51695	Hs.271274	ESTs, Weakly similar to kinase-related protein ros-1 precursor [H.sapiens]	1289.98	
GF201	195369	R89584	Hs.107815	Hs.107815	ESTs	1289.788	
GF203	247050	N53940	Hs.47726	Hs.278554	heterochromatin-like protein 1	1289.454	-1.1847003
					HECH		

APPENDIX A

GF201	122276	T98785	Hs.108298	Hs.81001	ESTs, Weakly similar to DY3.6 [C.elegans]	1288.966
GF203	166268	R88506	Hs.103521	Hs.103521	ESTs, Weakly similar to SRrp129 [H.sapiens]	1288.491
GF201	731054	AA421278	Hs.2827	Hs.195799	microsomal triglyceride transfer protein (large polypeptide, 88kD)	1288.456
GF204	745361	AA625671	Hs.116066	Hs.116066	MTP EST	1288.135
GF201	346696	W74602	Hs.94865	Hs.94865	TEA domain family member 4	1288.071
GF203	767310	AA418523	Hs.98297	Hs.125819	putative dimethyladenosine transferase	1287.106
GF201	39926	R53940	Hs.26016	Hs.26016	HSA9761 ESTs	1287.034
GF203	416479	W86908	Hs.14977	Hs.93379	eukaryotic translation initiation factor 4B	1286.135
GF202	838518	AA481729	Hs.105183	Hs.105183	EIF4B EST	1285.674
GF204	110403	T89273	Hs.15545	Hs.251659	ESTs, Weakly similar to mariner transposase [H.sapiens]	1285.172
GF202	729956	AA412047	Hs.122578	Hs.191593	ESTs	1284.491
GF201	503817	AA131663	Hs.70723	Hs.70723	ESTs	1283.53
GF200	842928	AA489314	Hs.75854	Hs.75854	SULT1C sulfotransferase	1282.456
GF202	731044	AA421273	Hs.5054	Hs.5054	SULT1C LOC51022	1282.446
GF203	344848	W72969	Hs.130841	Hs.266155	CGI-133 protein	1282.117
GF202	279770	N49090	Hs.46891	Hs.46891	ESTs	1282.088
GF203	460806	AA708161	Hs.1172	Hs.20938	EST RNA binding motif, single stranded interacting protein 2	1281.828
GF203	825718	AA504824	Hs.19954	Hs.19954	RBMS2 ESTs, Weakly similar to cDNA EST yk386e10.3 comes from this gene [C.elegans]	1281.079
GF202	48659	H14604	Hs.4284	Hs.116122	ESTs, Weakly similar to coded for by C. elegans cDNA yk30b3.5 [C.elegans]	1279.961
						-1.5737246
						-1.178433
						-1.88356
						1.31821614
						-1.1471003
						-1.1273775
						-1.0322181
						-1.1362976
						-1.6227151
						-1.0669797
						-1.2553473
						-1.0844666

## APPENDIX A

GF200	212165	H68845	Hs.90298	Hs.146354	thioredoxin-dependent peroxide reductase 1 (thiol-specific antioxidant 1, natural killer-enhancing factor B)	TDPX1	1279.839	1.00615799
GF200	51981	H23421	Hs.99858	Hs.99858	ribosomal protein L7a dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	RPL7A	1279.816	1.27808094
GF201	271006	N29901	Hs.115285	Hs.115285	Human clone 23933 mRNA sequence	DLAT	1279.742	
GF204	23933	R39465	Hs.129673	Hs.239483	CDC16 (cell division cycle 16, <i>S. cerevisiae</i> , homolog)		1279.211	
GF201	755385	AA410604	Hs.1592	Hs.1592	Homo sapiens BAC clone RG114B19 from 7q31.1	CDC16	1278.003	
GF203	814417	AA458938	Hs.9489	Hs.15423	ESTs		1277.255	1.03374177
GF202	286446	N67334	Hs.50158	Hs.50158	EST		1276.815	1.23892466
GF202	731224	AA420960	Hs.98322	Hs.98322	hepatoma-derived growth factor (high-mobility group protein 1-like)		1276.702	1.28632189
GF200	813673	AA453831	Hs.89525	Hs.89525	ESTs	HDGF	1276.665	1.01593373
GF203	380890	AA058597	Hs.23247	Hs.23247	Homo sapiens clone 25071 and 25177 mRNA sequences		1276.536	1.06167346
GF203	825697	AA504825	Hs.10590	Hs.10590	ESTs		1276.448	1.51027827
GF202	309224	N93853	Hs.94477	Hs.261051	KIAA0716 gene product	KIAA0716	1276.106	-1.1504871
GF204	857312	AA668695	Hs.118140	Hs.118140	ESTs		1275.757	-1.1693998
GF202	758319	AA404273	Hs.12974	Hs.12974	DKFZP58611023 protein	DKFZP58611023	1274.972	-1.1138537
GF203	811751	AA463272	Hs.22636	Hs.111515	ESTs		1274.794	-1.9289217
GF202	272192	N35493	Hs.93801	Hs.161102	formyl peptide receptor-like 1	FPRL1	1274.059	1.06870022
GF200	146605	R80041	Hs.251	Hs.99855	general transcription factor IIIA GTF3A		1273.927	
GF203	796461	AA459999	Hs.62145	Hs.75113	ESTs		1273.785	1.3030754
GF202	283114	N51323	Hs.47230	Hs.47230	Homo sapiens cDNA FLJ20022 fis, clone ADSE01331		1273.757	-1.1308527
GF200	297212	W03754	Hs.50813	Hs.50813			1272.722	1.17757184

APPENDIX A

ESTs, Weakly similar to coded  
for by *C. elegans* cDNA

GF201	809413	AA459905	Hs.10101	Hs.10101	1272.419	
GF204	295260	N75976	Hs.131858	Hs.269792	1271.834	
GF204	745600	AA626334	Hs.116153	Hs.116153	1271.479	
GF202	299997	N91527	Hs.54721	Hs.54721	1271.357	-1.0804652
GF204	788261	AA454110	Hs.123983	Hs.102708	1271.347	DKFZP434A043
GF200	75923	T47229	Hs.78765	Hs.78765	1271.107	1.24814898
GF204	744962	AA625907	Hs.116106	Hs.116106	1270.784	
GF200	786672	AA451891	Hs.80620	Hs.80620	1270.28	1.00799793
GF200	210710	H66883	Hs.36728	Hs.268916	1269.864	1.72999383
GF203	700299	AA283699	Hs.24143	Hs.24143	1269.494	-1.0809299
GF200	212078	H68922	Hs.116774	Hs.116774	1269.341	1.05983495
GF200	112440	T90871	Hs.16019	Hs.16019	1268.694	-1.0595695
GF200	280882	N50806	RG.30	Hs.108043	1268.473	1.14918631
GF200	280882	N50806	Hs.108043	Hs.108043	1268.473	1.14918631
GF202	1048794	AA621324	Hs.112972	Hs.112972	1268.294	-1.0098585
GF200	711450	AA280748	Hs.99930	Hs.1540	1267.755	1.21872157
GF203	786072	AA448661	Hs.34160	Hs.34160	1267.561	-1.7118261
GF202	278091	N63497	Hs.48803	Hs.48803	1267.505	-1.1273451
GF203	826276	AA520992	Hs.7256	Hs.7256	1265.995	-1.2175992
GF202	340737	W56308	Hs.56167	Hs.56167	1265.801	-1.0038723
GF200	137236	R36431	Hs.103329	Hs.103329	1264.645	-1.0588513
GF203	432480	AA699495	Hs.117110	Hs.180037	1264.37	1.24297932
GF200	814119	AA465387	Hs.77711	Hs.171872	1264.352	1.21394995
GF202	795255	AA454005	Hs.99250	Hs.99250	1264.27	-1.4098598

APPENDIX A

GF201	809719	AA455497	Hs.10511	Hs.170121	protein tyrosine phosphatase, receptor type, c polypeptide	PTPRC	1263.345
GF204	745118	AA626371	Hs.26365	Hs.82110	PC4 and SFRS1 interacting protein 1	PSIP1	1263.324
GF201	270786	N29800	Hs.102479	Hs.246885	Homo sapiens cDNA		1263.296
GF204	447556	AA702420	Hs.114119	Hs.114119	FLJ20783 fis, clone		1262.877
GF202	243602	N49717	Hs.109263	Hs.167805	COL03108		-1.3039267
GF203	286684	N67899	Hs.131703	Hs.131703	ESTs		-1.0691961
GF200	111006	T90375	Hs.16745	Hs.168212	ESTs		-1.0111522
GF200	770910	AA433851	Hs.77224	Hs.166096	kinesin family member 3B	KIF3B	-1.0683011
GF203	451123	AA704538	Hs.119740	Hs.193777	E74-like factor 3 (ets domain transcription factor)	ELF3	-2.4788493
GF204	80715	T62963	Hs.7588	Hs.172684	ESTs		1259.645
GF200	120413	T95953	Hs.9168	Hs.271745	vesicle-associated membrane protein 8 (endobrevin)	VAMP8	1259.462
GF204	145310	R77783	Hs.22404	Hs.22404	protease, serine, 12		1259.426
GF202	239924	H79845	Hs.124708	Hs.268999	(neurotrypsin, motopsin)	PRSS12	
GF202	271110	N34457	Hs.93781	Hs.146074	ESTs, Moderately similar to !!!		-2.0598801
GF201	269815	N27159	Hs.93717	Hs.727	ALU SUBFAMILY SQ		1.10840085
GF202	511632	AA126951	Hs.110857	Hs.110857	WARNING ENTRY !!!		
GF201	269815	N27159	Hs.93717	Hs.727	[H.sapiens]		
GF202	239924	H79845	Hs.124708	Hs.268999	ESTs		
GF201	269815	N27159	Hs.93717	Hs.727	inhibin, beta A (activin A, activin AB alpha polypeptide)	INHBA	
GF202	511632	AA126951	Hs.110857	Hs.110857	ESTs, Highly similar to putative DNA-directed RNA polymerase III C11 subunit		
GF201	795375	AA453275	Hs.108619	Hs.239625	[H.sapiens]		-1.0268638
GF202	267544	N23138	Hs.43330	Hs.43330	Homo sapiens cDNA		
GF201	795375	AA453275	Hs.108619	Hs.239625	FLJ20496 fis, clone KAT08729		1257.918
GF202	267544	N23138	Hs.43330	Hs.43330	EST		1257.805
GF202	511632	AA126951	Hs.110857	Hs.110857			-1.0491201

APPENDIX A

GF200	22411	T82477	Hs.183	Hs.183	Duffy blood group	FY	1256.927	-1.0135636
					homolog of mouse quaking			
GF202	843385	AA489386	Hs.15020	Hs.15020	QKI (KH domain RNA binding protein)	QKI	1256.788	1.77961317
GF204	141747	R69603	Hs.29019	Hs.29019	ESTs		1256.758	
GF203	177635	H43004	Hs.53591	Hs.247058	DINB protein	DINB1	1256.327	-1.1358257
GF200	740344	AA477909	Hs.83724	Hs.83724	Human clone 23773 mRNA sequence		1256.209	1.43749017
					cargo selection protein			
GF201	731356	AA416787	Hs.55960	Hs.140452	(mannose 6 phosphate receptor binding protein)	TIP47	1255.964	
GF202	252963	H88521	Hs.28523	Hs.111515	DKFZP58611023 protein	DKFZP58611023	1255.691	1.5430819
GF203	431501	AA676223	Hs.12773	Hs.12773	acyl-Coenzyme A oxidase 3, pristanoyl	ACOX3	1254.781	-1.2163892
GF200	501994	AA128153	Hs.66	Hs.66	interleukin 1 receptor-like 1	IL1RL1	1254.207	1.17115457
GF203	38569	R51494	Hs.101106	Hs.71818	ESTs		1254.056	-1.3223855
					arylacetamide deacetylase (esterase)	AADAC	1253.625	1.12367381
GF200	487118	AA045320	Hs.587	Hs.587	proteasome (prosome, macropain) subunit, alpha type, 7			
GF203	1455641	AA863149	Hs.111547	Hs.233952	KIAA0130 gene product	PSMA7	1253.363	1.07103878
GF200	245198	N76581	Hs.23106	Hs.23106	ESTs	KIAA0130	1253.26	1.13732506
GF201	415317	W92160	Hs.16077	Hs.58875	ESTs		1252.755	
GF203	647444	AA199666	Hs.86126	Hs.86126	ESTs		1252.658	1.1460863
					ESTs, Weakly similar to Pro-Pol-dUTPase polypeptide			
GF203	195786	R89287	Hs.29406	Hs.29406	[M.musculus]		1252.369	1.48750661
GF204	379450	AA705919	Hs.87677	Hs.169872	ESTs		1252.145	
GF203	815090	AA465194	Hs.6670	Hs.6670	ESTs		1252.119	-1.3559498
GF204	448754	AA778234	Hs.122661	Hs.269645	ESTs		1252.05	
GF203	154657	R55017	Hs.26226	Hs.26226	ESTs		1251.873	1.39449125
					Homo sapiens cDNA FLJ10347 fis, clone NT2RM2001035, highly similar to CCR4-ASSOCIATED FACTOR 1			
GF202	27330	R37165	Hs.4269	Hs.226318			1251.283	2.10330772

## APPENDIX A

W04569	Hs.55294	Hs.55294	EST	1251.226	-1.4134333
			Homo sapiens mRNA; cDNA		
			DKFZp586O0221 (from clone		
			DKFZp586O0221)	1250.809	1.54845792
AA774649	Hs.48778	Hs.48778	fatty acid amide hydrolase	1250.699	
AA431988	Hs.91646	Hs.24781	FAAH	1250.243	1.49547164
AA608870	Hs.112607	Hs.112607	ESTs	1250.14	-1.066457
N77006	Hs.94066	Hs.125522	ESTs	1248.96	1.27609736
R91822	Hs.39188	Hs.74316	desmoplakin (DPI, DPLI)	1247.802	
N22836	Hs.107470	Hs.43266	ESTs		
			ESTs, Moderately similar to		
			PANCREATIC HORMONE		
H66312	Hs.20588	Hs.20588	PRECURSOR [H.sapiens]	1247.566	-2.2465717
			ESTs, Weakly similar to		
			alcohol sulfotransferase		
			[R.norvegicus]	1247.28	
H18453	Hs.23133	Hs.23133	adenylate kinase 3	1247.261	1.26626851
AA489040	Hs.12470	Hs.274691	AK3	1246.856	-2.3895955
AA703374	Hs.119321	Hs.119321	ESTs	1246.503	
H15408	Hs.22588	Hs.22588	ESTs	1246.494	-1.4735871
N59289	Hs.48362	Hs.48362	EST	1246.186	
AA777590	Hs.121951	Hs.270100	ESTs	1246.124	
T40891	Hs.8330	Hs.8330	ESTs	1245.315	
N51441	Hs.47259	Hs.47259	ESTs		
			glucosamine (N-acetyl)-6-		
			sulfatase (Sanfilippo disease		
AA035347	Hs.2703	Hs.164036	IIID)	1245.28	-1.0040012
			GNS		
			Rho guanine nucleotide		
AA481277	Hs.26531	Hs.252280	exchange factor (GEF) 1	1245.131	-1.3445694
AA427940	Hs.85050	Hs.85050	phospholamban	1244.694	1.07823967
			actin related protein 2/3		
H73961	Hs.108391	Hs.6895	complex, subunit 3 (21 kD)	1244.442	-1.9908087
AA284267	Hs.102961	Hs.221504	ESTs	1244.096	
T48412	Hs.8841	Hs.8841	ESTs	1243.914	
W87823	Hs.49272	Hs.49272	ESTs	1243.867	
N68993	Hs.49594	Hs.230618	EST	1243.808	-1.3727484
H18423	Hs.62036	Hs.251397	SMA3	1243.69	
			SMA3		

APPENDIX A

GF200	811740	AA463610	Hs.1142	Hs.271986	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	ITGA2	1243.15	-1.0435647
GF200	701112	AA287404	Hs.320	Hs.320	xeroderma pigmentosum, complementation group C	XPC	1241.818	-1.1984868
GF200	773215	AA425238	Hs.99914	Hs.129914	run-related transcription factor 1 (acute myeloid leukemia 1; aml1 oncogene)	RUNX1	1241.75	1.13833776
GF201	429707	AA011673	Hs.103319	Hs.193612	ESTs, Weakly similar to !!!!			
GF201	323465	W45589	Hs.103059	Hs.155150	ALU SUBFAMILY SX		1241.579	
GF203	195576	R91828	Hs.15069	Hs.15069	WARNING ENTRY !!!!		1240.968	
GF202	273635	N36989	Hs.44844	Hs.44844	[H.sapiens]	RPP14	1240.827	-1.4094269
GF203	383185	AA074227	Hs.67614	Hs.29464	ribonuclease P (14kD)		1240.54	-1.2742108
GF203	726681	AA398332	Hs.97613	Hs.97613	ESTs			
GF201	809488	AA443116	Hs.7252	Hs.7252	Homo sapiens mRNA; cDNA		1240.532	-1.0885781
GF200	526184	AA076645	Hs.69748	Hs.184627	DKFZp566C034 (from clone DKFZp566C034)		1240.451	1.12545086
GF201	809488	AA443116	Hs.7252	Hs.7252	ESTs			
GF200	526184	AA076645	Hs.69748	Hs.184627	Homo sapiens mRNA; cDNA	KIAA0118	1240.189	-1.0592515
GF203	270883	N29825	Hs.44095	Hs.44095	DKFZp586J231 (from clone DKFZp586J231)		1240.036	
GF203	208377	H62839	Hs.114180	Hs.114180	KIAA0118 protein			
GF200	770192	AA434102	Hs.81337	Hs.81337	Homo sapiens cDNA			
GF202	340811	W56586	Hs.7254	Hs.246028	FLJ20018 fis, clone ADSE00909		1239.864	-1.0461579
GF203	814785	AA455239	Hs.87630	Hs.50758	ESTs		1239.529	1.14050757
GF202	277476	N58875	Hs.46759	Hs.143212	lectin, galactoside-binding, soluble, 9 (galectin 9)	LGALS9	1239.472	-1.1670272
GF203	283014	N51268	Hs.128200	Hs.128200	ESTs		1239.214	-1.2200262
GF203	814785	AA455239	Hs.87630	Hs.50758	chromosome-associated polypeptide C	CAP-C	1238.803	1.36938737
GF202	277476	N58875	Hs.46759	Hs.143212	cystatin F (leukocystatin)	CST7	1238.401	-1.0033345
GF203	283014	N51268	Hs.128200	Hs.128200	ESTs		1238.212	1.12570704



[illegible]

APPENDIX A

GF204	1467936	AA883551	Hs.125757	Hs.125757	ESTs	1231.446
					Homo sapiens clone 25218	
GF204	32195	R42888	Hs.64001	Hs.64001	mRNA sequence	1231.246
GF201	429517	AA011389	Hs.90972	Hs.7740	ESTs	1231.032
					desrin (actin depolymerizing factor)	
GF201	768292	AA424824	Hs.82306	Hs.82306	ADF	1230.767
					Homo sapiens mRNA; cDNA	
					DKFZp434P0735 (from clone	
GF201	308452	N95764	Hs.27192	Hs.27192	DKFZp434P0735)	1230.612
GF201	33102	R44581	Hs.22305	Hs.22305	ESTs	1230.587
GF203	250963	H96554	Hs.32448	Hs.32448	ESTs	1230.402
GF203	812954	AA464583	Hs.88253	Hs.88253	ESTs	1230.344
GF201	327179	W02753	Hs.55266	Hs.103002	ESTs	1230.296
					BCL2/adenovirus E1B 19kD-	
GF203	288796	N62514	Hs.118967	Hs.155596	interacting protein 2	1230.234
GF203	1069733	AA599574	Hs.65370	Hs.65370	lipase, endothelial	1229.801
					dual-specificity tyrosine-(Y)-	-1.0935393
					phosphorylation regulated	1.49826785
					kinase 4	
GF200	788286	AA452617	Hs.17154	Hs.17154	ESTs	1229.687
GF203	140537	R67839	Hs.28360	Hs.28360	ESTs	1229.454
					sphingomyelin	
					phosphodiesterase 2, neutral	
					membrane (neutral	
					sphingomyelinase)	
GF204	433170	AA680132	Hs.55235	Hs.55235	SMPD2	1229.342
					GRO1 oncogene (melanoma	
					growth stimulating activity,	
					alpha)	
GF201	323238	W42723	Hs.789	Hs.789	GRO1	1229.293
					ESTs, Weakly similar to	
GF204	436490	AA703013	Hs.114157	Hs.114157	putative p150 [H.sapiens]	1229.182
GF202	376736	AA046306	Hs.62927	Hs.62927	ESTs	1228.725
					v-erb-b2 avian erythroblastic	1.1942627
					leukemia viral oncogene	
					homolog 2	
					(neuro/glioblastoma derived	
GF200	783729	AA443351	Hs.46254	Hs.173664	ERBB2	1228.143
					oncogene homolog)	-1.0472193

T02020" 86226860

## APPENDIX A

GF200	756372	AA481944	Hs.37682	Hs.37682	retinoic acid receptor responder (tazarotene induced) 2	RARRES2	1227.867	1.22214565
GF201	378813	AA683520	Hs.110329	Hs.251754	secretory leukocyte protease inhibitor (antileukoproteinase)	SLPI	1227.798	
GF200	756666	AA443982	Hs.118229	Hs.183994	protein phosphatase 1, catalytic subunit, alpha isoform	PPP1CA	1227.474	1.03243817
GF200	756666	AA443982	Hs.78092	Hs.183994	protein phosphatase 1, catalytic subunit, alpha isoform	PPP1CA	1227.474	1.03243817
GF200	208984	H60688	Hs.37856	Hs.37856	ESTs		1227.423	1.55448029
GF203	713205	AA283599	Hs.111449	Hs.111449	ESTs, Highly similar to CGI-94 protein [H.sapiens]		1226.743	1.64184424
GF200	135221	R32952	Hs.2962	Hs.2962	S100 calcium-binding protein P	S100P	1226.64	1.07416967
GF200	897987	AA598884	Hs.75227	Hs.75227	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9 (39kD)	NDUFA9	1226.599	1.41505063
GF203	449512	AA777932	Hs.121997	Hs.121997	EST		1226.314	-1.5896646
GF203	392526	AA708096	Hs.130348	Hs.130348	ESTs		1226.294	1.29822192
GF200	753418	AA410429	Hs.93183	Hs.93183	vasodilator-stimulated phosphoprotein	VASP	1225.907	-1.1811764
GF203	767721	AA417982	Hs.44183	Hs.44183	ESTs		1225.405	1.43676296
GF200	240062	H82236	Hs.64607	Hs.171731	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	SLC14A1	1225.387	1.00616523
GF203	796505	AA460239	Hs.12680	Hs.12680	Homo sapiens cDNA FLJ10196 fis, clone HEMBA1004776		1224.829	-1.8773735
GF203	1412503	AA845178	Hs.2879	Hs.2879	carboxypeptidase A1 (pancreatic)	CPA1	1224.659	1.14373399
GF203	289645	N62866	Hs.74565	Hs.74565	amyloid beta (A4) precursor-like protein 1	APLP1	1224.389	-1.631009
GF200	796198	AA461108	Hs.94414	Hs.30942	ephrin-B2	EFNB2	1224.047	1.60216908
GF204	826305	AA521017	Hs.105488	Hs.105488	EST		1223.763	

## APPENDIX A

GF203	137189	R36132	Hs.113365	Hs.2280	ribophorin I	RPN1	1223.72	-1.3219723
GF203	161763	H26294	Hs.113856	Hs.8991	adaptor-related protein complex 1, gamma 2 subunit	G2AD	1223.22	-1.3304755
GF201	724895	AA291491	Hs.110480	Hs.110480	Homo sapiens clone 23837		1222.737	
GF200	810891	AA459519	Hs.11669	Hs.11669	mRNA sequence laminin, alpha 5	LAMA5	1222.233	-1.0805147
GF204	1580874	AA983765	Hs.44396	Hs.44396	coronin, actin-binding protein, 2A	CORO2A	1222.215	
GF203	783998	AA443284	Hs.404	Hs.404	myeloid/lymphoid or mixed- lineage leukemia (trithorax (Drosophila) homolog); translocated to, 3	MLLT3	1222.213	1.17806178
GF201	416409	W86876	Hs.108710	Hs.150443	KIAA0320 protein	KIAA0320	1221.806	
GF204	1461333	AA883402	Hs.125458	Hs.25524	DKFZP564F0923 protein	DKFZP564F0923	1220.804	
GF203	1473922	AA915980	Hs.3325	Hs.6895	actin related protein 2/3		1219.857	1.09388911
GF202	949947	AA600201	Hs.3640	Hs.3640	complex, subunit 3 (21 kD)	ARPC3	1218.929	-1.2033654
GF202	427797	AA001603	Hs.59897	Hs.59897	ESTs		1218.714	-1.3567785
GF202	245125	N54387	Hs.47809	Hs.47809	EST		1218.574	-1.1683629
GF204	321945	W37504	Hs.25545	Hs.25545	ESTs		1218.573	
GF202	268795	N24024	Hs.93674	Hs.93674	EST		1218.51	-1.4024674
GF202	840677	AA488070	Hs.105678	Hs.156110	immunoglobulin kappa variable 1D-8	IGKV1D-8	1218.4	-1.3131751
GF202	838155	AA457374	Hs.6202	Hs.247474	ESTs, Weakly similar to stearyl-CoA desaturase [H.sapiens]		1218.25	-1.1847457
GF204	182177	H28287	Hs.64311	Hs.64311	a disintegrin and metalloproteinase domain 17			
GF204	1455342	AA865302	Hs.127066	Hs.127066	(tumor necrosis factor, alpha, converting enzyme)	ADAM17	1218.165	
GF202	27544	R40057	Hs.112360	Hs.112360	ESTs		1218.097	
GF201	435470	AA701502	Hs.37040	Hs.37040	prominin (mouse)-like 1	PROML1	1217.513	1.24794815
GF201	809829	AA455528	Hs.96772	Hs.96772	platelet-derived growth factor alpha polypeptide	PDGFA	1217.449	
					ESTs		1217.294	

APPENDIX A

GF203	814981	AA465719	Hs.16566	Hs.166184	Homo sapiens intersectin 2 long isoform (ITSN2) mRNA, complete cds	1217.069	2.01618005
GF200	80910	T70098	Hs.4059	Hs.183556	solute carrier family 1 (neutral amino acid transporter), member 5	1215.909	1.0376884
GF201	197512	H52062	Hs.30211	Hs.30211	ESTs, Weakly similar to alternatively spliced product using exon 13A [H.sapiens]	1215.646	
GF204	743732	AA629348	Hs.116330	Hs.122231	ESTs	1214.844	
GF201	745116	AA626370	Hs.83853	Hs.63908	heme oxygenase (decycling) 2	1214.749	
GF200	137506	R39405	Hs.25288	Hs.118640	dishevelled 2 (homologous to Drosophila dsh)	1214.348	-1.2867642
GF201	450386	AA682855	Hs.95128	Hs.166204	PHD finger protein 1	1214.302	
GF203	810959	AA459400	Hs.4745	Hs.159161	Rho GDP dissociation inhibitor (GDI) alpha	1214.081	1.05433867
GF202	299508	N74963	Hs.50571	Hs.50571	ESTs	1213.42	-1.5320277
GF201	505414	AA156251	Hs.109494	Hs.109494	ESTs, Weakly similar to putative progesterone binding protein [H.sapiens]	1213.132	
GF201	47280	H10387	Hs.13347	Hs.106289	ESTs	1212.993	
GF202	743568	AA609454	Hs.108785	Hs.108785	ESTs	1212.946	-1.2170352
GF201	435953	AA701976	Hs.77515	Hs.77515	inositol 1,4,5-triphosphate receptor, type 3	1212.892	
GF203	397658	AA708279	Hs.97476	Hs.97476	KIAA0426 gene product	1212.706	1.18666906
GF203	646556	AA205432	Hs.86356	Hs.86356	EST, Weakly similar to ZINC FINGER PROTEIN 117		
GF201	204774	H56946	Hs.37384	Hs.268930	[H.sapiens]	1212.454	1.2229557
GF202	810027	AA455275	Hs.18946	Hs.18946	ESTs	1212.337	
GF202	276926	N39450	Hs.45012	Hs.45012	squamous cell carcinoma antigen recognised by T cells	1211.641	-2.7694391
GF202	344806	W72838	Hs.58213	Hs.58213	EST	1211.31	-1.4547952
GF201	235938	H52673	Hs.93213	Hs.93213	ESTs	1211.271	1.84769351
					BCL2-antagonist/killer 1	1211.234	
					BAK1		

T02020" 86226860

## APPENDIX A

GF202	255794	N27761	Hs.103377	Hs.49658	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0495		1210.891	1.5833317
GF200	725677	AA398949	Hs.2994	Hs.2994	PCTAIRE protein kinase 3	PCTK3	1210.835	-1.2930366
GF204	853388	AA663317	Hs.116896	Hs.116896	EST		1210.072	
GF202	594683	AA171784	Hs.109097	Hs.109097	ESTs		1209.965	1.83729995
GF201	47149	H10993	Hs.25328	Hs.25328	ESTs		1209.89	
GF201	26414	R20662	Hs.52125	Hs.268726	ESTs		1208.883	
GF203	824960	AA489086	Hs.36545	Hs.36545	ESTs		1208.751	1.44884288
GF204	436463	AA699656	Hs.113099	Hs.113099	ESTs		1208.657	
GF202	810511	AA464541	Hs.111430	Hs.111515	DKFZP5861023 protein	DKFZP5861023	1208.393	-1.8850026
GF204	1502317	AA894855	Hs.109257	Hs.9059	KIAA0962 protein	KIAA0962	1208.016	
GF204	448290	AA777329	Hs.121912	Hs.121912	ESTs		1207.732	
GF204	824640	AA491285	Hs.105287	Hs.175144	ESTs		1206.996	
GF203	454501	AA677361	Hs.110934	Hs.227676	hypothetical protein	HSPC232	1206.898	-1.1104029
GF201	416855	W87281	Hs.24128	Hs.24128	ESTs		1206.615	
GF203	272663	N32286	Hs.40510	Hs.40510	uncoupling protein 4	UCP4	1206.575	1.3867615
GF200	242070	H94236	Hs.16222	Hs.16222	ESTs		1206.532	1.26301749
GF203	703559	AA278865	Hs.88523	Hs.88523	ESTs		1206.424	-1.1357657
GF203	280342	N49261	Hs.21640	Hs.260844	ESTs		1206.248	1.33872702
GF202	1055564	AA620828	Hs.112912	Hs.112912	EST		1206.168	1.45952885
GF202	510088	AA053035	Hs.95307	Hs.29088	ESTs		1205.975	1.52499128
GF202	1030921	AA620343	Hs.112858	Hs.112858	ESTs		1205.9	-2.6041815
GF201	491751	AA150500	Hs.103888	Hs.183487	interferon stimulated gene (20kD)	ISG20	1205.562	
GF201	273185	N33115	Hs.44433	Hs.44433	ESTs		1205.217	
GF203	53338	R15930	Hs.21754	Hs.21754	Homo sapiens mRNA full length insert cDNA clone		1204.708	-2.4691996
GF202	781482	AA432121	Hs.98677	Hs.250986	EUROIMAGE 30103		1204.599	-1.1768107
GF202	796723	AA443140	Hs.92679	Hs.92679	ESTs, Weakly similar to microtubule-based motor [H.sapiens]		1204.123	-1.4467384
GF201	259905	N32919	Hs.27931	Hs.27931	Homo sapiens cDNA FLJ10607 fis, clone NT2RP2005147		1203.721	

APPENDIX A

GF200	241003	H81010	Hs.21277	Hs.173515	Homo sapiens mRNA; cDNA DKFZp586H021 (from clone DKFZp586H021) ESTs, Weakly similar to MITOCHONDRIAL UNCOUPLING PROTEIN 3 [H.sapiens] CD164 antigen, sialomucin ESTs, Weakly similar to AT motif-binding factor 1 [H.sapiens] ESTs ESTs ESTs ESTs ESTs ESTs, Weakly similar to dJ88J8.1 [H.sapiens] ESTs, Weakly similar to PHOSPHOLIPID HYDROPEROXIDE GLUTATHIONE PEROXIDASE [H.sapiens] ESTs L3 pigment ESTs, Moderately similar to !!! ALU CLASS C WARNING ENTRY !!! [H.sapiens] Ca2+-dependent activator protein for secretion ESTs hyaluronoglucosaminidase 2	1203.69	-1.1339614
GF201	782794	AA448182	Hs.16786	Hs.16786		1203.406	
GF200	898198	AA598561	Hs.43910	Hs.43910		1203.001	1.43467865
GF200	245444	N53492	Hs.109314	Hs.109314		1202.485	-1.1259833
GF201	46051	H09064	Hs.21447	Hs.21447		1202.194	
GF202	428236	AA004595	Hs.110092	Hs.110092		1201.946	-1.9191869
GF202	358699	W94247	Hs.59521	Hs.59521		1201.844	1.52594571
GF202	592497	AA161466	Hs.72367	Hs.72367		1201.799	-1.6450904
GF200	127710	R09498	Hs.20370	Hs.191308		1201.615	1.68989505
GF204	1474429	AA922722	Hs.125256	Hs.125256		1201.607	
GF202	787851	AA452145	Hs.43098	Hs.44426		1201.151	-1.2367775
GF201	213157	H75435	Hs.39730	Hs.169404		1201.099	
GF201	144801	R76554	Hs.6257	Hs.272674		1201.081	
GF204	858447	AA773993	Hs.3347	Hs.259836		1200.836	
GF201	32304	R42894	Hs.74574	Hs.151301		1200.667	
GF201	46931	H10030	Hs.22856	Hs.22856		1199.99	
GF200	788190	AA453909	Hs.76873	Hs.76873		1199.423	-1.1582757

"02020" 86226860

## APPENDIX A

GF204	202051	R99560	Hs.113980	Hs.113980	ESTs, Weakly similar to [Human endogenous retrovirus type C oncovirus sequence.], gene product [H.sapiens] interferon, alpha-inducible protein 27	1199.382	
GF201	588915	AA157813	Hs.2867	Hs.278613	IFI27	1199.323	
GF204	725143	AA404609	Hs.36563	Hs.36563	ESTs	1199.248	
GF200	112541	T85931	Hs.16039	Hs.129038	ESTs	1199.023	1.13856957
GF201	212188	H68848	Hs.1252	Hs.1252	apolipoprotein H (beta-2- glycoprotein I) Homo sapiens cDNA FLJ20109 fis, clone COL05067	1198.983	
GF201	140267	R67903	Hs.13432	Hs.118194	ESTs	1198.855	
GF202	280466	N51585	Hs.47049	Hs.169961	ESTs	1198.566	1.30839118
GF201	795757	AA460314	Hs.94179	Hs.94179	ESTs	1198.239	
GF204	1455480	AA863023	Hs.127059	Hs.127059	ESTs, Moderately similar to probable ligand-binding protein RYD5 [R.norvegicus]	1198.062	
GF201	40104	R54594	Hs.25209	Hs.25209	ESTs	1197.881	
GF202	796199	AA461119	Hs.99539	Hs.99539	ESTs	1197.571	-1.2181052
GF204	233538	H77332	Hs.51692	Hs.51692	DKFZP434C091 protein solute carrier family 23 (nucleobase transporters), member 1	1197.255	
GF200	795989	AA461071	Hs.82042	Hs.82042	SLC23A1	1196.91	1.06045021
GF200	234562	H78241	Hs.39860	Hs.51957	splicing factor, arginine/serine- rich 2, interacting protein	1196.673	-1.3227841
GF202	743062	AA406039	Hs.61648	Hs.61648	ESTs	1196.464	1.20322365
GF200	809535	AA454585	Hs.73965	Hs.73965	splicing factor, arginine/serine- rich 2	1196.178	1.14068205
GF204	1456813	AA863346	Hs.127669	Hs.127669	ESTs	1195.816	
GF202	813755	AA453815	Hs.25465	Hs.25615	YDD19 protein	1195.735	1.11478926
GF203	219937	H84759	Hs.114261	Hs.114261	ESTs	1195.457	-1.4100662
GF200	299815	N77877	Hs.72805	Hs.72805	ESTs	1195.437	-1.2563966
GF200	783721	AA443347	Hs.80712	Hs.80712	KIAA0202 protein	1194.827	-1.1239945



T02020" 86226860

## APPENDIX A

GF201	258026	N30308	Hs.42302	Hs.42302	ESTs	1194.541	
GF203	435011	AA700041	Hs.16920	Hs.16920	ESTs	1194.514	-1.0199487
GF204	884510	AA629990	Hs.118649	Hs.191866	ESTs	1194.391	
GF200	200136	R97785	Hs.91417	Hs.91417	topoisomerase (DNA) II binding protein	1194.004	1.13926494
GF202	377296	AA055491	Hs.63190	Hs.16529	transmembrane 4 superfamily member (tetraspan NET-2)	1193.79	1.31481569
GF203	203183	H54661	Hs.28337	Hs.62264	KIAA0937 protein	1193.768	1.05886514
GF202	139304	R63714	Hs.107082	Hs.107082	ESTs, Moderately similar to alternatively spliced product using exon 13A [H.sapiens]	1193.726	1.15916165
GF201	206595	H62801	Hs.38108	Hs.125059	ESTs	1193.69	
GF201	743701	AA629338	Hs.106311	Hs.106311	DiGeorge syndrome gene A	1193.422	
GF204	1055459	AA626083	Hs.126045	Hs.126045	ESTs	1193.146	
GF203	39219	R51382	Hs.124275	Hs.124275	chromosome 11 open reading frame 11	1192.495	1.38316362
GF203	131985	R32442	Hs.23560	Hs.23560	ESTs	1192.452	-1.8982835
GF203	257955	N30751	Hs.92395	Hs.236204	Homo sapiens cDNA FLJ11217 fis, clone PLACE1008044, highly similar to NUCLEAR PORE COMPLEX PROTEIN NUP107 Homo sapiens mRNA; cDNA	1192.208	-1.2935801
GF204	1434940	AA857127	Hs.29809	Hs.29809	DKFZp434C185 (from clone DKFZp434C185)	1192.084	
GF201	259033	N32820	Hs.23139	Hs.23139	ESTs	1191.96	
GF200	714106	AA284668	Hs.77274	Hs.77274	plasminogen activator, urokinase	1191.823	1.00462178
GF203	1049030	AA778663	Hs.1524	Hs.1524	tumor necrosis factor (ligand) superfamily, member 9	1191.64	-1.6386564
GF201	758336	AA404278	Hs.16265	Hs.132875	ESTs, Weakly similar to predicted using Genefinder [C.elegans]	1191.602	

FO2020-86226860

## APPENDIX A

GF204	712916	AA282230	Hs.75526	Hs.250758	proteasome (prosome, macropain) 26S subunit, ATPase, 3	PSMC3	1191.389
GF202	357874	W99305	Hs.59805	Hs.59805	ESTs		1191.277
GF200	796757	AA460727	Hs.80917	Hs.80917	adaptor-related protein complex 3, sigma 1 subunit	CLAPS3	1190.82
GF200	360168	AA012984	Hs.90875	Hs.90875	RAB interacting factor	RABIF	1190.785
					mouse double minute 2, human homolog of; p53-binding protein		-1.176685
GF201	147075	R80235	Hs.89636	Hs.170027	ESTs	MDM2	1190.496
GF204	176739	H43101	Hs.31050	Hs.31050	polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotein I)		1190.201
GF201	897233	AA677517	Hs.119389	Hs.172550	CUG triplet repeat, RNA-binding protein 1	PTB	1189.957
GF200	25588	R15111	Hs.81248	Hs.81248	signal sequence receptor, gamma (translocon-associated protein gamma)	CUGBP1	1189.66
					ESTs		1.0562414
GF203	280985	N47682	Hs.28707	Hs.28707	ESTs	SSR3	1189.07
GF202	346119	W72749	Hs.110006	Hs.110006	ESTs		1.12291779
GF202	53005	R15820	Hs.12308	Hs.12308	ESTs		1.25427235
GF203	433468	AA699557	Hs.118334	Hs.193251	ESTs		1.35432088
					S100 calcium-binding protein A9 (calgranulin B)	S100A9	-1.579297
GF204	1459376	AA864554	Hs.112405	Hs.112405	lethal giant larvae (Drosophila) homolog 2		1187.433
GF201	60565	T40541	Hs.3123	Hs.3123	GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrome)	LLGL2	1186.151
					ESTs, Moderately similar to kinesin-73 [D.melanogaster]	GLI3	1185.771
GF203	767495	AA418036	Hs.72916	Hs.72916	ESTs		1.16004441
GF201	327221	AA284305	Hs.89370	Hs.55271	ESTs		1184.882
GF202	282475	N49850	Hs.45117	Hs.45117	ESTs		1184.609
GF200	198190	R92412	Hs.22978	Hs.22978	ESTs		1184.607
							1.02841181

FILED 09/26/2019

## APPENDIX A

GF201	39722	R54492	Hs.99987	Hs.99987	excision repair cross-complementing rodent repair deficiency, complementation group 2 (xeroderma pigmentosum D) ESTs, Weakly similar to hypothetical protein [H.sapiens]	ERCC2	1184.549
GF203	811947	AA456638	Hs.18557	Hs.171802	Homo sapiens cDNA FLJ10607 fis, clone NT2RP2005147		1184.434 -1.6457359
GF201	267495	N25262	Hs.14760	Hs.27931	YDD19 protein	YDD19	1184.201
GF201	586854	AA130874	Hs.118668	Hs.25615	ESTs		1183.816
GF203	383958	AA702728	Hs.114138	Hs.114138	EST		1183.557
GF204	744911	AA625791	Hs.116078	Hs.116078	tetraspan 5	TSPAN-5	1183.359
GF202	812967	AA464601	Hs.20709	Hs.20709	GS3955 protein	GS3955	1182.889
GF201	360155	AA013260	Hs.46698	Hs.155418	ESTs		1182.743
GF203	768961	AA425543	Hs.39358	Hs.184387			1182.651 -1.089611
GF201	51093	H18440	Hs.20047	Hs.20047	ESTs, Weakly similar to KIAA0647 protein [H.sapiens]		1181.101
GF201	203003	H54417	Hs.9235	Hs.9235	non-metastatic cells 4, protein expressed in NME4	NME4	1181.004
GF203	277996	N63445	Hs.21415	Hs.21415	Homo sapiens mRNA; cDNA DKFZp761K2024 (from clone DKFZp761K2024)		1180.804 -1.3427144
GF201	280970	N50854	Hs.15243	Hs.15243	nucleolar protein 1 (120kD)	NOL1	1180.396
GF204	379659	AA778045	Hs.124018	Hs.269860	ESTs		1180.302
GF201	47306	H11054	Hs.92501	Hs.155342	protein kinase C, delta	PRKCD	1180.057
GF203	282015	N51121	Hs.47196	Hs.47196	ESTs		1179.052 -1.3326304
GF201	795344	AA453251	Hs.14831	Hs.14831	ESTs		1178.926
GF202	320157	W15521	Hs.29067	Hs.234265	DKFZP586G011 protein	DKFZP586G011	1178.693
GF203	325029	W49629	Hs.109909	Hs.109909	ESTs		1177.982 -2.7568431
GF203	412999	AA707766	Hs.62699	Hs.62699	ESTs		1177.959 -1.2485876
GF201	327082	W02693	Hs.55262	Hs.55262	ESTs		1177.944
GF204	272148	N35472	Hs.43265	Hs.43265	melastatin 1	MLSN1	1177.924
GF204	296345	N70116	Hs.36183	Hs.167554	ESTs		1177.661

APPENDIX A

GF203	767272	AA418397	Hs.79656	Hs.5057	carboxypeptidase D	CPD	1177.562	-1.295536
GF203	221584	H92533	Hs.31746	Hs.31746	ESTs		1176.921	-1.0557773
GF201	756549	AA444009	Hs.1437	Hs.1437	glucosidase, alpha; acid		1176.553	
GF203	28436	R40663	Hs.124944	Hs.124944	(Pompe disease, glycogen storage disease type II)	GAA	1176.294	1.24512303
GF201	46294	H09132	Hs.12364	Hs.12364	ESTs		1175.893	
					ESTs, Weakly similar to !!!!			
					ALU SUBFAMILY SX			
					WARNING ENTRY !!!!			
GF204	33852	R44835	Hs.22883	Hs.22883	[H.sapiens]		1175.484	
					heterogeneous nuclear			
GF203	449283	AA777712	Hs.121969	Hs.245710	ribonucleoprotein H1 (H)	HNRPH1	1175.06	1.22872789
GF204	436133	AA702012	Hs.114087	Hs.269558	ESTs		1174.835	
GF201	742767	AA400187	Hs.75474	Hs.75474	nephronophthisis 1 (juvenile)	NPHP1	1174.571	
GF203	416429	W86826	Hs.114687	Hs.114687	ESTs		1174.422	1.0456229
GF202	233174	H75737	Hs.118118	Hs.118118	ESTs		1174.174	-1.0160019
					gene from NF2/meningioma region of 22q12			
GF201	435024	AA700048	Hs.75361	Hs.75361	Homo sapiens cDNA	PK1.3	1173.958	
					FLJ11036 fis, clone			
GF200	130243	R22632	Hs.16740	Hs.16740	PLACE1004289		1173.763	-1.7110835
					DNA segment on			
					chromosome X (unique) 1253			
GF200	758148	AA437191	Hs.79345	Hs.278482	expressed sequence	DXS1253E	1173.668	-1.1860147
GF202	278906	N66627	Hs.49235	Hs.49235	EST		1173.665	1.57591026
					vasoactive intestinal peptide			
GF201	215000	H73241	Hs.1139	Hs.198726	receptor 1	VIPR1	1173.283	
GF202	731371	AA421047	Hs.98330	Hs.98330	ESTs		1172.752	-1.6920018
					Homo sapiens cDNA			
GF203	267673	N25550	Hs.30634	Hs.30634	FLJ20509 fis, clone KAT09623		1172.733	1.22573392
GF202	288948	N62701	Hs.30724	Hs.30724	ESTs		1172.469	1.10930202
GF200	132835	R27432	Hs.20261	Hs.114055	ESTs		1172.344	1.03222103
GF202	487938	AA044741	Hs.62722	Hs.62722	ESTs		1171.677	1.15358061
GF200	156270	R72661	Hs.29275	Hs.210568	ESTs		1171.613	1.70761101

## APPENDIX A

GF203	431003	AA677921	Hs.63931	dachshund (Drosophila)			
GF204	462665	AA705015	Hs.119862	homolog	DACH	1171.137	1.24214812
GF203	454150	AA677215	Hs.107832	ESTs		1170.766	
GF201	41132	R58970	Hs.9887	ESTs		1170.42	-2.7593073
				transcription factor AP-2 alpha		1169.155	
				(activating enhancer-binding			
				protein 2 alpha)	TFAP2A	1169.14	
GF201	810781	AA481755	Hs.18387	ESTs		1169.024	
GF201	810097	AA464975	Hs.16443	Grb2-associated binder 2	KIAA0571	1168.764	
GF204	1470151	AA865573	Hs.30687	nuclear receptor coactivator 4	NCOA4	1168.63	
GF201	490805	AA133212	Hs.75418	3-phosphoinositide dependent			
GF203	266720	N22904	Hs.42462	protein kinase-1	PDPK1	1168.63	-1.4297293
GF200	788107	AA453175	Hs.6619	bridging integrator 1	BIN1	1168.268	1.01065661
GF203	451907	AA706968	Hs.42650	ZW10 interactor	ZWINT	1167.971	1.09221313
GF202	292122	N62434	Hs.109391	ESTs		1167.959	-2.776386
				glutamine-fructose-6-			
GF203	753157	AA478571	Hs.1674	phosphate transaminase 1	GFPT1	1167.856	1.28510386
				t-complex-associated-testis-			
GF200	726637	AA399285	Hs.75307	expressed 1-like	TCTE1L	1167.431	-1.0207721
				6-pyruvoyl-tetrahydropterin			
				synthase/dimerization cofactor			
				of hepatocyte nuclear factor 1			
GF203	809421	AA459909	Hs.3192	alpha (TCF1)	PCBD	1167.025	-1.7770318
GF200	132690	R26827	Hs.70197	programmed cell death 4	PDCD4	1166.934	-1.0348272
GF202	323274	W43000	Hs.55871	ESTs		1166.733	-1.2004803
GF203	298862	N75356	Hs.118175	ESTs		1166.259	1.30861344
GF202	564567	AA127395	Hs.125085	ESTs		1166.176	-1.586568
GF201	365423	AA025794	Hs.7168	ESTs		1165.883	
GF203	432199	AA679428	Hs.117907	ESTs		1165.828	-1.510553
				SWI/SNF related, matrix			
				associated, actin dependent			
				regulator of chromatin,			
GF200	360047	AA035796	Hs.77069	subfamily d, member 3	SMARCD3	1165.685	2.62177364
				SH3-domain binding protein 5			
GF202	626343	AA188661	Hs.109150	(BTK-associated)	SH3BP5	1165.156	1.29715342

APPENDIX A

GF200	221846	H84982	Hs.111597	Hs.211773	checkpoint suppressor 1 Homo sapiens cDNA FLJ10279 fis, clone HEMBB1001242, highly similar to Homo sapiens topoisomerase-related function protein mRNA ESTs	CHES1	1164.736	1.02632571
GF203	43329	H05635	Hs.106561	Hs.25534			1164.646	-1.0836009
GF202	593431	AA165628	Hs.23703	Hs.23703			1164.312	1.19827119
GF201	505538	AA147594	Hs.85034	Hs.1314	tumor necrosis factor receptor superfamily, member 8	TNFRSF8	1163.922	
GF200	23073	R38539	Hs.56066	Hs.56066	fibroblast growth factor 2 (basic)	FGF2	1163.144	1.37298409
GF203	506548	AA709036	Hs.82280	Hs.82280	regulator of G-protein signalling 10	RGS10	1163.04	1.42243904
GF201	781047	AA446462	Hs.98658	Hs.98658	budding uninhibited by benzimidazoles 1 (yeast homolog)	BUB1	1162.954	
GF203	432557	AA693369	Hs.117091	Hs.190338	ESTs		1162.688	-1.1463032
GF203	281580	N51604	Hs.24360	Hs.24360	ESTs		1162.019	-1.3092596
GF201	79782	T63988	Hs.101138	Hs.6557	ESTs		1161.948	
GF201	731031	AA421270	Hs.5670	Hs.111515	DKFZP586I1023 protein translocase of inner mitochondrial membrane 17 (yeast) homolog A	DKFZP586I1023	1161.825	
GF203	506032	AA708446	Hs.20716	Hs.20716	ESTs	TIM17	1161.576	1.84363711
GF201	273652	N36994	Hs.53798	Hs.193833	Homo sapiens mRNA for KIAA1306 protein, partial cds		1161.553	
GF202	753764	AA410469	Hs.22592	Hs.181077	KIAA0929 protein Msx2 interacting nuclear target (MINT) homolog		1161.403	-1.3486778
GF200	214906	H74133	Hs.3340	Hs.184245	KIAA0461 protein	KIAA0929	1161.332	1.13716219
GF203	878496	AA775828	Hs.107088	Hs.107088	karyopherin (importin) beta 1	KIAA0461	1161.296	-1.1753476
GF200	684634	AA251527	Hs.81690	Hs.180446		KPNB1	1161.116	1.23882673

APPENDIX A

GF203	746347	AA481406	Hs.105168	Hs.105168	ESTs, Highly similar to homolog of the Aspergillus nidulans sudD gene product [H.sapiens]	1160.804	-1.9740137
GF201	269680	N24786	Hs.42993	Hs.42993	ESTs	1160.791	
GF200	24415	R39356	Hs.1846	Hs.1846	tumor protein p53 (Li-Fraumeni syndrome)	1160.687	1.0114718
GF202	782152	AA431184	Hs.98708	Hs.98708	ESTs	1160.613	-1.5104173
GF200	296793	W01171	Hs.50436	Hs.129764	EGF-like repeats and discoidin I-like domains 3	1160.461	2.26333528
GF201	281045	N50904	Hs.38282	Hs.38282	ESTs	1159.795	
GF201	261571	H98756	Hs.108845	Hs.42373	ESTs	1159.756	
GF200	142067	R69236	Hs.107144	Hs.182470	PTD010 protein	1159.337	-1.7213576
GF201	321271	AA037410	Hs.103428	Hs.102336	Rho GTPase activating protein 8	1159.098	
GF201	46438	H09664	Hs.30939	Hs.30939	ESTs	1158.601	
GF204	32782	R43695	Hs.62189	Hs.62189	ESTs	1158.516	
GF203	277749	N46098	Hs.119666	Hs.184552	biphenylhydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen)	1158.455	-2.0458127
GF204	506033	AA708458	Hs.34924	Hs.34924	ESTs	1158.399	
GF200	201628	R98008	Hs.104010	Hs.129331	ESTs	1158.338	-1.9166608
GF202	839855	AA489840	Hs.105302	Hs.251014	EST	1158.327	-1.7433678
GF202	784285	AA447504	Hs.100261	Hs.100261	Homo sapiens mRNA; cDNA DKFZp564B222 (from clone DKFZp564B222)	1158.293	-1.098204
GF203	813508	AA456082	Hs.98321	Hs.98321	ESTs	1158.13	1.06402355
GF201	359733	AA011308	Hs.14104	Hs.193804	ESTs	1158.022	
GF203	754221	AA479155	Hs.103364	Hs.103364	ESTs	1157.483	-1.1637156
GF204	1613295	A1002071	Hs.16450	Hs.16450	ESTs	1157.398	
GF200	666879	AA252968	Hs.87268	Hs.87268	annexin A8	1157.17	1.32500007
GF202	743114	AA401391	Hs.53066	Hs.53066	Hsp70 binding protein	1156.982	-1.7762666
GF202	839048	AA487505	Hs.105996	Hs.70337	immunoglobulin superfamily, member 4	1156.874	-2.1088061
GF201	41850	R52786	Hs.23935	Hs.23935	ESTs	1156.804	

APPENDIX A

GF201	810446	AA457115	Hs.89984	Hs.146354	thioredoxin-dependent peroxide reductase 1 (thiol-specific antioxidant 1, natural killer-enhancing factor B)	TDPX1	1155.645
GF202	24850	R38938	Hs.13544	Hs.13544	Homo sapiens clone 24850 mRNA sequence		1155.401
GF203	472163	AA057371	Hs.18113	Hs.93379	eukaryotic translation initiation factor 4B	EIF4B	1155.297
GF200	122126	T98484	Hs.18377	Hs.18377	EST		1155.276
GF200	770012	AA427490	Hs.19944	Hs.188021	potassium voltage-gated channel, subfamily H (eag-related), member 2	KCNH2	1154.734
GF200	72391	T51689	Hs.79624	Hs.278571	sortilin-related receptor, L(DLR class) A repeats-containing	SORL1	1154.275
GF201	590692	AA156324	Hs.115346	Hs.8265	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	TGM2	1154.173
GF201	247462	N54157	Hs.108272	Hs.114437	ESTs		1153.941
GF203	726767	AA398290	Hs.21965	Hs.21965	ESTs		1153.68
GF201	530359	AA112105	Hs.78630	Hs.138381	farnesyltransferase, CAAX box, alpha	FNTA	1153.205
GF201	810205	AA464518	Hs.99616	Hs.264606	ESTs		1153.019
GF202	843251	AA488646	Hs.52510	Hs.260287	ESTs, Weakly similar to !!!		
GF202	309496	N99253	Hs.28274	Hs.28274	ALU SUBFAMILY SQ WARNING ENTRY !!!!		
GF202	843251	AA488646	Hs.52510	Hs.260287	[H.sapiens]		1153.005
GF202	309496	N99253	Hs.28274	Hs.28274	ESTs		1152.909
GF204	470187	AA029851	Hs.80120	Hs.80120	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAc-T1)	GALNT1	1152.817
GF202	52092	H23232	Hs.31964	Hs.31964	EST		1152.693
GF201	270889	N32502	Hs.42846	Hs.42846	ESTs		1152.681
GF202	843251	AA488646	Hs.52510	Hs.260287			1.00838857
GF202	309496	N99253	Hs.28274	Hs.28274			1.0593029
GF204	470187	AA029851	Hs.80120	Hs.80120			
GF202	52092	H23232	Hs.31964	Hs.31964			-1.1386557
GF201	270889	N32502	Hs.42846	Hs.42846			



Westbrook et al.

## APPENDIX A

GF204	743866	AA634430	Hs.6982	Hs.6982	Homo sapiens mRNA for KIAA1197 protein, partial cds	1152.569	
GF202	609980	AA169159	Hs.5316	Hs.184544	ESTs	1152.484	1.52237309
GF201	277056	N39581	Hs.44979	Hs.44979	ESTs	1152.081	
GF202	786220	AA478440	Hs.119007	Hs.119007	RAB4, member RAS oncogene family	1151.318	-1.1652298
GF202	856961	AA669674	Hs.90344	Hs.106673	eukaryotic translation initiation factor 3, subunit 6 (48kD)	1151.211	1.64154079
GF201	345034	W72294	Hs.103176	Hs.24395	small inducible cytokine subfamily B (Cys-X-Cys), member 14 (BRAK)	1150.62	
GF203	730037	AA416971	Hs.129749	Hs.9456	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	1150.613	1.33140325
GF204	448073	AA702689	Hs.114750	Hs.114750	ESTs	1149.895	
GF200	135692	R32409	Hs.290	Hs.290	phospholipase A2, group V	1148.845	1.56277589
GF200	826254	AA520978	Hs.28505	Hs.28505	ubiquitin-conjugating enzyme E2H (homologous to yeast UBC8)	1148.592	1.08505928
GF203	666726	AA233901	Hs.85986	Hs.85986	ESTs	1148.537	-1.0089079
GF201	32587	R43595	Hs.22948	Hs.7181	Homo sapiens clone 25059 mRNA sequence	1148.238	
GF201	199367	R95691	Hs.93769	Hs.21858	trinucleotide repeat containing 3	1148.159	
GF202	796665	AA461487	Hs.67656	Hs.111515	DKFZP58611023 protein	1147.874	1.12200286
GF200	246144	N55492	Hs.47974	Hs.47974	ESTs, Moderately similar to pig-c protein [H.sapiens]	1147.515	-1.0544447
GF201	454440	AA677306	Hs.1179	Hs.1179	TATA box binding protein (TBP)-associated factor, RNA polymerase II, A, 250kD	1147.449	
GF203	264747	N21015	Hs.102399	Hs.102399	ESTs	1147.306	1.69259916
GF203	324492	W51794	Hs.83326	Hs.83326	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	1147.303	-1.1597573

Westbrook et al.

APPENDIX A

GF202	752636	AA419603	Hs.42457	Hs.261587	GCN2 eIF2alpha kinase Homo sapiens clone 25023	GCN2	1147.098	1.16756441
GF204	41108	R56893	Hs.90858	Hs.90858	mRNA sequence		1146.848	
GF200	823819	AA490390	Hs.78050	Hs.78050	small acidic protein	IMAGE145052	1146.079	1.04883568
GF200	365930	AA036649	Hs.77298	Hs.155188	TATA box binding protein (TBP)-associated factor, RNA polymerase II, F, 55kD	TAF2F	1145.615	1.26540759
GF200	172440	H20138	Hs.107563	Hs.5636	RAB6, member RAS	RAB6	1145.44	1.84719562
GF200	172440	H20138	RG.8	Hs.5636	oncogene family	RAB6	1145.44	1.84719562
GF204	1031810	AA609661	Hs.111945	Hs.190592	oncogene family		1144.633	
GF200	242778	H93603	Hs.33413	Hs.239934	ESTs		1144.599	-1.6108449
GF203	279443	N48788	Hs.44436	Hs.44436	CGI-96 protein	CGI-96	1144.382	1.33532741
GF203	713078	AA282971	Hs.89072	Hs.89072	ESTs		1144.373	1.40297048
GF203	288775	N62508	Hs.91625	Hs.91625	ESTs, Weakly similar to DIPEPTIDYL PEPTIDASE IV		1144.33	-1.2603314
GF203	713115	AA283003	Hs.111452	Hs.111452	LIKE PROTEIN [H.sapiens]		1143.706	1.82859897
GF200	234320	H95239	Hs.42050	Hs.42050	F-box protein Fbx5	FBX5	1143.414	1.71153632
GF201	299943	N80054	Hs.102856	Hs.124070	ESTs		1143.408	
GF201	884655	AA629909	Hs.75280	Hs.75280	glycyl-tRNA synthetase proliferating cell nuclear	GARS	1143.105	
GF200	789182	AA450265	Hs.78996	Hs.78996	antigen		1141.974	1.155575
GF203	287569	N62122	Hs.83313	Hs.83313	ESTs	PCNA	1141.858	1.08541429
GF201	377363	AA055052	Hs.103481	Hs.187578	ESTs		1141.805	
GF201	770954	AA429367	Hs.17448	Hs.17448	ESTs, Weakly similar to !!!! ALU SUBFAMILY SC			
GF201	39770	R54558	Hs.23728	Hs.23728	WARNING ENTRY !!!! [H.sapiens]		1140.908	
GF201	417694	W89077	Hs.59189	Hs.23598	ESTs CREB binding protein		1140.535	
GF201	51772	H23210	Hs.28109	Hs.184019	(Rubinstein-Taybi syndrome)	CREBBP	1140.398	
GF202	192258	H41222	Hs.33848	Hs.196459	Homo sapiens clone 23551 mRNA sequence		1140.383	
					ESTs		1139.96	1.2206816

GF204	1504457	AA904806	Hs.130100	Hs.131945	KIAA0940 protein sulfotransferase, estrogen- preferring	KIAA0940	1139.778
GF200	785595	AA449459	Hs.54576	Hs.54576	YDD19 protein	STE	1139.77
GF202	795612	AA460005	Hs.38375	Hs.25615	FSHD region gene 1	YDD19	1139.64
GF200	563574	AA113339	Hs.90553	Hs.203772	Human DNA sequence from clone 1163J1 on chromosome 22q13.2-13.33. Contains the 3' part of a gene for a novel KIAA0279 LIKE EGF-like domain containing protein (similar to mouse Celsr1, rat MEGF2), a novel gene for a protein similar to C. elegans B0035.16 a	FRG1	1139.43
GF203	785897	AA449474	Hs.122552	Hs.122552	EST		1139.252
GF202	839829	AA489782	Hs.105296	Hs.105296	interferon gamma receptor 2 (interferon gamma transducer 1)	IFNGR2	1138.83
GF200	785575	AA448929	Hs.7478	Hs.177559	ESTs, Highly similar to KIAA0535 protein [H.sapiens]		1138.493
GF200	135673	R31591	Hs.24219	Hs.226031	ARP3 (actin-related protein 3, yeast) homolog	ACTR3	1138.196
GF201	271568	N34974	Hs.5321	Hs.5321	nuclear VCP-like ESTs	NVL	1137.697
GF201	416390	W86860	Hs.58927	Hs.58927	Homo sapiens clone 23927 mRNA sequence		1137.17
GF203	196435	R91517	Hs.34455	Hs.34455	interleukin 2 receptor, beta ESTs, Weakly similar to !!!	IL2RB	1.31983557
GF202	44156	H06157	Hs.12473	Hs.12473	ALU SUBFAMILY J		-1.6084652
GF200	489079	AA057156	Hs.75596	Hs.75596	WARNING ENTRY !!!!		1.06808217
GF201	429685	AA011598	Hs.36409	Hs.36409	[H.sapiens]		1135.797
GF203	785585	AA449444	Hs.98969	Hs.98969	ESTs		1135.34
							-2.0631124

FOOFO"86226860

## APPENDIX A

GF201	282737	N49967	Hs.46624	Hs.46624	Homo sapiens cDNA	1134.85	
GF200	201173	R98492	Hs.35956	Hs.268881	FLJ20630 fis, clone KAT03874 ESTs	1134.376	-1.6010816
GF204	1585517	AA976691	Hs.94962	Hs.169824	killer cell lectin-like receptor subfamily B, member 1 Homo sapiens cDNA	1134.245	
GF200	136449	R34205	Hs.22451	Hs.22451	FLJ10357 fis, clone NT2RM2001221, weakly similar to KALIRIN	1134.202	1.006444
GF204	121804	T97312	Hs.125123	Hs.268573	ESTs	1133.739	
GF201	415851	W86282	Hs.114554	Hs.6838	ras homolog gene family, member E myeloid/lymphoid or mixed- lineage leukemia (trithorax (Drosophila) homolog); translocated to, 4 ESTs	1133.647	
GF203	788155	AA453304	Hs.9874	Hs.100469	a disintegrin and metalloprotease domain 10	1133.243	-1.3655738
GF203	136830	R36095	Hs.124254	Hs.268695	DCTD	1133.24	1.22045769
GF201	487773	AA043347	Hs.62629	Hs.172028	ADAM10	1132.935	
GF200	784777	AA448207	Hs.76894	Hs.76894	dCMP deaminase	1132.85	-1.825487
GF204	1055861	AA628257	Hs.116034	Hs.116034	ESTs phosphoribosyl pyrophosphate synthetase-associated protein 1	1132.49	
GF200	33949	R44822	Hs.77498	Hs.77498	PRPSAP1	1132.334	1.10293741
GF202	1031838	AA609684	Hs.112748	Hs.112748	ESTs ESTs, Moderately similar to !!! ALU SUBFAMILY SP WARNING ENTRY !!!!	1131.864	-2.1226437
GF204	1631466	A1024769	Hs.34579	Hs.34579	[H.sapiens] Homo sapiens cDNA	1131.751	
GF203	502530	AA134743	Hs.16677	Hs.16677	FLJ10506 fis, clone NT2RP2000510	1131.621	1.18137811
GF201	52730	H29500	Hs.7130	Hs.7130	ESTs, Moderately similar to N- copine [H.sapiens]	1131.44	

Westbrook et al.

## APPENDIX A

GF200	812105	AA456008	Hs.75823	ALL1-fused gene from chromosome 1q	AF1Q	1131.055	1.01114711
GF201	280527	N51651	Hs.107362	KIAA0909 protein	KIAA0909	1130.604	
GF202	768007	AA418750	Hs.43728	hypothetical protein	CL683	1130.013	-1.764024
GF200	769028	AA426311	Hs.438	mesenchyme homeo box 1	MEOX1	1129.436	-1.059891
				high-mobility group (nonhistone chromosomal)			
GF200	782811	AA448261	Hs.64605	protein isoforms I and Y	HMG1Y	1129.417	-1.1723664
GF203	322194	W37782	Hs.109020	ESTs		1128.615	-1.2266157
GF201	137984	R63085	Hs.107596	ESTs		1128.375	
				ESTs, Weakly similar to CAMP-DEPENDENT PROTEIN KINASE			
				INHIBITOR, MUSCLE/BRAIN FORM [H.sapiens]			
GF203	152289	H04769	Hs.106106	reticulon 3	RTN3	1128.149	-1.0997151
GF200	781097	AA430035	Hs.95363	Homo sapiens clone 23556		1127.896	1.31123657
				mRNA sequence			
GF201	33500	R43869	Hs.106300	ESTs		1127.653	
GF200	198451	R94659	Hs.27786	ESTs		1127.634	-1.0883186
GF201	45318	H08734	Hs.83490	ESTs		1127.487	
GF204	486340	AA044296	Hs.25282	YDD19 protein	YDD19	1127.211	
				ESTs, Weakly similar to 5'-TG-3' INTERACTING FACTOR			
GF202	795864	AA460136	Hs.119382	[H.sapiens]		1126.821	-1.5096475
GF200	144777	R76263	Hs.15318	HS1 binding protein	HAX1	1126.768	1.11735241
				heterogeneous nuclear ribonucleoprotein R			
GF203	453790	AA779191	Hs.122584	ESTs	HNRPR	1126.344	-1.310569
GF201	795439	AA453619	Hs.8832	ESTs		1126.281	
GF202	491715	AA150484	Hs.72069	ESTs		1126.066	-2.8064723
				pregnancy specific beta-1-glycoprotein 5	PSG5	1125.78	
GF201	325641	W51985	Hs.118289	meningioma (disrupted in balanced translocation) 1	MN1	1125.375	1.12028058
GF200	41591	R59212	Hs.79085	DiGeorge syndrome critical region 6	DGCR6	1125.317	1.33425776
GF200	471266	AA033564	Hs.77118	ESTs		1125.27	1.37236241
GF202	754379	AA436174	Hs.37751				

APPENDIX A

GF203	700646	AA284031	Hs.89303	Hs.89303	ESTs	1124.713	1.16726997
GF201	209199	H63959	Hs.18870	Hs.142722	ESTs	1124.647	
GF202	784272	AA447476	Hs.43141	Hs.43141	DKFZP727C091 protein secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)	1124.544	-1.1470507
GF203	378461	AA775616	Hs.313	Hs.313	SPP1	1124.455	1.14186722
GF203	451363	AA707013	Hs.120790	Hs.120790	ESTs	1124.219	1.17103121
GF202	35265	R45579	Hs.12408	Hs.268699	ESTs	1123.921	-1.8275724
GF202	38588	R49102	Hs.20996	Hs.20996	ESTs	1123.321	-1.6857314
GF204	176554	H45289	Hs.107561	Hs.107561	ESTs	1122.7	
GF204	392111	A1003706	Hs.122925	Hs.122925	ESTs	1122.55	
GF202	365231	AA024902	Hs.102223	Hs.25431	Homo sapiens mRNA for KIAA1219 protein, partial cds	1122.292	1.59982438
GF203	435651	AA701297	Hs.114052	Hs.114052	ESTs	1121.142	-1.2587897
GF203	416434	W86822	Hs.38176	Hs.38176	KIAA0606 protein; SCN Circadian Oscillatory Protein (SCOP)	1120.881	-1.2807051
GF204	447176	AA702978	Hs.20082	Hs.20082	Homo sapiens cDNA FLJ20216 fis, clone COLF3242	1120.816	
GF203	786612	AA478474	Hs.24181	Hs.24181	ESTs	1120.795	-1.8189236
GF201	49839	H29265	Hs.32467	Hs.32467	ESTs	1120.794	
GF203	745604	AA626335	Hs.4894	Hs.273219	breast cancer anti-estrogen resistance 1	1120.104	-1.7154858
GF202	49382	H16709	Hs.106289	Hs.106289	ESTs	1119.842	1.23238656
GF202	489931	AA121518	Hs.70834	Hs.193540	ESTs	1119.837	-1.4030622
GF202	843224	AA488445	Hs.5198	Hs.5198	Down syndrome critical region gene 2	1119.733	1.02980478
GF203	713019	AA282594	Hs.87508	Hs.21586	cofactor required for Sp1 transcriptional activation, subunit 2 (150kD)	1119.685	-1.0570522
GF203	825207	AA504120	Hs.99743	Hs.99743	ESTs	1119.518	-1.7728406
GF203	727164	AA398922	Hs.110759	Hs.239500	ESTs, Weakly similar to predicted using Genefinder [C.elegans]	1119.393	1.49320102

Westbrook et al.

## APPENDIX A

GF201	280697	N47443	Hs.108884	Hs.108884	KIAA0390 gene product	KIAA0390	1119.352	
GF204	361182	AA017499	Hs.110277	Hs.226208	ESTs		1119.199	
GF200	815287	AA481621	Hs.5464	Hs.169344	H.sapiens mRNA for skeletal muscle abundant protein		1119.182	-1.1126434
GF201	69272	T54342	Hs.9727	Hs.270373	ESTs		1118.36	
GF203	298204	N70818	Hs.47829	Hs.198281	pyruvate kinase, muscle	PKM2	1118.351	-1.2044747
					PTH-responsive			
GF201	33392	R43863	Hs.21979	Hs.79340	osteosarcoma B1 protein	B1	1118.315	
GF202	757206	AA443969	Hs.20890	Hs.180370	cofilin 1 (non-muscle)	CFL1	1118.252	-1.3893671
GF204	1455842	AA863296	Hs.11530	Hs.11530	ESTs		1118.197	
					potassium inwardly-rectifying channel,subfamily J, member 13	KCNJ13		
GF203	251073	H97806	Hs.42448	Hs.11364	ESTs		1117.635	1.24616988
GF202	290227	N62271	Hs.109221	Hs.109221	ESTs		1117.448	-1.5092385
GF201	279923	N57533	Hs.45062	Hs.137908	ESTs		1117.331	
					ESTs, Weakly similar to U5 snRNP-specific 40 kDa protein			
GF202	595817	AA167436	Hs.20848	Hs.20848	[H.sapiens]		1117.246	-1.1951007
GF201	795841	AA461524	Hs.55148	Hs.55148	ESTs		1116.495	
GF203	768620	AA425150	Hs.98481	Hs.98481	EST		1116.442	1.73155595
GF202	324856	W48685	Hs.109284	Hs.109284	ESTs		1116.096	-1.1288257
					endothelial cell-specific molecule 1	ESM1		
GF202	324122	W46577	Hs.41716	Hs.41716	phosphodiesterase 4C, cAMP-specific (dunce (Drosophila)-homolog phosphodiesterase E1)		1115.531	-1.3418704
GF204	970731	AA774833	Hs.189	Hs.189	ESTs	PDE4C	1114.91	
GF201	49358	H15104	Hs.81529	Hs.81529	chromobox homolog 3 (Drosophila HP1 gamma)	CBX3	1114.638	
GF200	566887	AA132330	Hs.83550	Hs.8123	ESTs		1114.313	1.03643521
GF203	245398	N53480	Hs.108622	Hs.108622	ESTs		1113.29	-1.4230628
GF201	194023	H51271	Hs.36552	Hs.124700	ESTs		1113.068	
					Homo sapiens mRNA; cDNA DKFZp564N1164 (from clone DKFZp564N1164)			
GF202	502706	AA127221	Hs.71059	Hs.272539	ESTs		1112.566	-1.2245759
GF203	786590	AA452255	Hs.49215	Hs.49215			1111.909	-1.4252007

APPENDIX A

GF204	449371	AA777429	Hs.121920	Hs.121920	EST, Weakly similar to connector enhancer of KSR-like protein CNK1 [H.sapiens]	1111.757	
GF203	290567	N62379	Hs.33215	Hs.173202	ESTs	1111.432	-1.6701431
GF204	1031790	AA609640	Hs.124087	Hs.124087	ESTs	1111.143	
GF203	681879	AA256163	Hs.88121	Hs.88121	ESTs	1111.124	-1.3759859
GF201	756502	AA443998	Hs.388	Hs.388	nudix (nucleoside diphosphate linked moiety X)-type motif 1	1111.119	
GF204	855683	AA663920	Hs.128629	Hs.269736	ESTs	1110.641	
GF201	195274	R92011	Hs.34547	Hs.268843	ESTs	1110.555	
GF203	1391682	AA789328	Hs.77313	Hs.77313	cyclin-dependent kinase (CDC2-like) 10		
GF202	46195	H09241	Hs.101211	Hs.173134	ESTs	1109.941	-1.5424077
GF204	1476309	AA872096	Hs.125231	Hs.125231	haemopoietic progenitor homeobox	1109.124	
GF200	128143	R09781	Hs.1898	Hs.1898	paraoxonase 1	1108.866	1.0953264
GF201	292697	N63628	Hs.48835	Hs.271756	ESTs, Weakly similar to !!!! ALU CLASS C WARNING ENTRY !!!! [H.sapiens]		
GF200	51463	H21071	Hs.79019	Hs.79019	neuronal apoptosis inhibitory protein	1108.206	
GF203	753979	AA479969	Hs.105624	Hs.165364	NAIP	1108.02	1.38780043
GF201	773637	AA431885	Hs.5591	Hs.5591	ESTs	1107.69	-1.6072254
GF203	28270	R37357	Hs.21350	Hs.21542	MAP kinase-interacting serine/threonine kinase 1	1107.614	
GF203	434828	AA703117	Hs.20000	Hs.20000	KIAA1035 protein	1107.483	-1.2254305
GF204	1467244	AA884717	Hs.125671	Hs.238914	Homo sapiens mRNA; cDNA DKFZp434D2426 (from clone DKFZp434D2426); partial cds		
GF202	731231	AA420967	Hs.112196	Hs.112196	EST	1107.205	-1.0650274
GF203	454914	AA677406	Hs.42913	Hs.207577	ESTs	1106.946	
GF201	428737	AA004648	Hs.103280	Hs.103280	KIAA1289 protein	1106.872	-1.2664721
GF203	768050	AA418900	Hs.88764	Hs.88764	ESTs	1106.767	1.8978635
					male-specific lethal-3 (Drosophila)-like 1	1106.24	
GF203					MSL3L1	1106.136	1.15897731



APPENDIX A

GF200	814270	AA459213	Hs.74285	Hs.91728	polymyositis/scleroderma autoantigen 1 (75kD)	PMSCL1	1105.934	-2.2583264
GF200	841384	AA487526	Hs.75562	Hs.75562	discoidin domain receptor family, member 1	DDR1	1105.783	1.03990164
GF202	796921	AA463215	Hs.29896	Hs.29896	ESTs, Weakly similar to proline-rich protein MP4 [M.musculus]		1105.567	-1.4212621
GF202	321510	W32523	Hs.110852	Hs.237825	signal recognition particle 72kD	SRP72	1105.045	1.2907796
GF204	745423	AA625856	Hs.13794	Hs.13794	Homo sapiens cDNA FLJ10931 fis, clone OVARC1000564		1104.816	
GF204	454953	AA779356	Hs.24286	Hs.24286	ESTs		1104.774	
GF203	430927	AA678306	Hs.101366	Hs.173259	Homo sapiens cDNA FLJ10029 fis, clone HEMBA1000817		1104.699	-1.4477048
GF202	285367	N66354	Hs.109437	Hs.109437	hormonally upregulated neu tumor-associated kinase	HUNK	1104.689	-1.4726357
GF204	856878	AA669593	Hs.126650	Hs.187934	ESTs		1104.268	
GF200	416833	W86653	Hs.41737	Hs.7557	FK506-binding protein 5	FKBP5	1104.053	1.15029365
GF200	416833	W86653	Hs.7557	Hs.7557	FK506-binding protein 5	FKBP5	1104.053	1.15029365
GF203	530608	AA071089	Hs.29948	Hs.187932	ESTs		1103.645	1.05244693
GF203	896921	AA779401	Hs.2838	Hs.2838	malic enzyme 3, NADP(+)-dependent, mitochondrial	ME3	1103.577	1.5458576
GF200	179534	H51461	Hs.4975	Hs.4975	potassium voltage-gated channel, KQT-like subfamily, member 2	KCNQ2	1103.555	1.09146371
GF202	240469	H90744	Hs.127831	Hs.127831	ESTs		1103.509	-2.4468405
GF202	949944	AA600192	Hs.9102	Hs.180552	ESTs		1103.323	-2.417521
GF203	647763	AA205389	Hs.41145	Hs.41145	ESTs		1102.442	1.17156255
GF203	796569	AA460463	Hs.13872	Hs.13872	ESTs		1102.226	-1.1362785
GF201	782599	AA447542	Hs.99113	Hs.99113	ESTs		1102.182	
GF203	53158	R16146	Hs.21711	Hs.21711	ESTs		1102.177	-1.3561002
GF201	460106	AA676836	Hs.42945	Hs.42945	acid sphingomyelinase-like phosphodiesterase	ASM3A	1101.711	
GF200	814696	AA481067	Hs.82925	Hs.168075	karyopherin (importin) beta 2	KPNB2	1101.636	1.37694663

## APPENDIX A

GF200	811108	AA485677	Hs.78614	Hs.119498	thyroid hormone receptor interactor 6	TRIP6	1101.359	-1.0462292
GF200	811108	AA485677	Hs.119498	Hs.119498	thyroid hormone receptor interactor 6	TRIP6	1101.359	-1.0462292
GF203	259859	N32895	Hs.37432	Hs.164036	glucosamine (N-acetyl)-6- sulfatase (Sanfilippo disease IIID)	GNS	1100.432	1.02551362
GF202	286381	N67268	Hs.50139	Hs.50139	ESTs		1100.356	-1.260946
GF200	130005	R19399	Hs.20858	Hs.214428	ESTs		1099.923	1.006453
GF202	283956	N53352	Hs.47627	Hs.63131	ESTs		1099.75	-1.3763646
					Homo sapiens cDNA FLJ20167 fis, clone COL09512			
GF201	283741	N52971	Hs.47590	Hs.10248	GATA-binding protein 4	GATA4	1099.739	1.00461525
GF200	781738	AA431631	Hs.1671	Hs.243987	biglycan	BGN	1099.651	-1.236242
GF200	144786	R77226	Hs.114529	Hs.821	KIAA0560 gene product	KIAA0560	1098.85	1.20162402
GF202	564231	AA121387	Hs.129952	Hs.129952	yeast Sec31p homolog	KIAA0905	1098.419	1.17170958
GF202	843265	AA488663	Hs.70266	Hs.70266	ESTs		1097.775	
GF204	416294	W86162	Hs.38947	Hs.182258	ESTs		1096.636	
GF202	744627	AA621310	Hs.112968	Hs.112968	ESTs		1096.484	-1.40556
					Homo sapiens mRNA for KIAA1192 protein, partial cds			
GF203	878550	AA775865	Hs.7579	Hs.7579	ESTs		1096.317	1.12014953
GF203	645259	AA199881	Hs.58350	Hs.58350	splicing factor 3b, subunit 3, 130kD	SF3B3	1095.578	-1.8702653
GF200	41541	R52789	Hs.75300	Hs.195614	ESTs		1094.55	1.56162902
GF201	357278	W93592	Hs.47343	Hs.47343	ESTs		1094.353	
GF202	731193	AA417356	Hs.98226	Hs.98226	ESTs		1094.244	-1.633197
GF202	809657	AA454682	Hs.107573	Hs.107573	sialyltransferase	STHM	1094.129	2.05132296
GF202	592928	AA159179	Hs.50854	Hs.173001	hypothetical protein	BM-005	1094.024	1.65966206
GF203	173081	H20670	Hs.31766	Hs.268135	ESTs		1093.562	-1.0679711
					myosin, heavy polypeptide 9, non-muscle	MYH9		
GF200	811129	T69926	Hs.44782	Hs.146550	EST		1093.182	-1.1597328
GF204	449403	AA777875	Hs.121931	Hs.121931	ESTs, Moderately similar to !!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens]		1093.018	
GF200	155201	R70361	Hs.52580	Hs.202989			1092.973	1.58476207

[illegible]

APPENDIX A

Homo sapiens mRNA for									
GF203	1470365	AA864226	Hs.5814					1087.926	1.28674054
GF203	1161564	AA877815	Hs.10587					1087.684	1.1370204
GF201	52066	H24347	Hs.27524					1087.58	
ESTs, Weakly similar to									
GF200	141589	R69179	Hs.28937					1087.525	-1.0397812
GF203	180314	R85261	Hs.32912					1087.515	-1.708353
protein tyrosine phosphatase, receptor type, alpha									
polypeptide									
GF200	240099	H82419	Hs.26045					1086.284	2.04792938
GF202	344802	W72834	Hs.103173					1086.236	1.20325102
GF204	433053	AA676537	Hs.131487					1086.059	
GF203	824358	AA489681	Hs.102248					1085.739	1.08215808
GF200	121462	T97475	Hs.15574					1085.329	-1.0628759
GF200	247081	N64095	Hs.98693					1085.128	-1.2147857
GF202	276371	N40170	Hs.45046					1084.926	-1.6051938
Homo sapiens cDNA									
FLJ10659 fis, clone									
GF202	52013	H23532	Hs.5580					1084.899	-1.5954932
GF203	768400	AA495812	Hs.105364					1084.69	1.36499053
YDD19 protein									
methionine									
adenosyltransferase II, alpha									
GF200	79502	T59286	Hs.77502					1084.149	1.40815835
ESTs, Weakly similar to									
similar to S. cerevisiae									
longevity-assurance protein 1									
[C.elegans]									
GF203	35147	R45550	Hs.23882					1084.147	1.04600556
GF201	343073	W67134	Hs.6811					1083.958	
GF203	827204	AA521311	Hs.88061					1083.641	1.13487511
GF200	795805	AA460510	Hs.7976					1083.384	1.07552492
GF202	587398	AA130351	Hs.23651					1083.334	-1.4189068
katanin p60 (ATPase- containing) subunit A 1									
GF202	811606	AA454611	Hs.7135					1083.058	-1.330606
ESTs, Weakly similar to									
R12C12.6 [C.elegans]									
GF204	814913	AA465703	Hs.109817					1082.939	
GF202	276484	N39074	Hs.44933					1082.887	-1.2704881
GF202	269303	N24046	Hs.43507					1082.829	1.10718915

APPENDIX A

GF202	1048795	AA621335	Hs.112975	Hs.49282	Homo sapiens cDNA			
GF200	214565	H73727	Hs.117871	Hs.3491	FLJ11088 fis, clone			
					PLACE1005287, weakly similar to INNER			
					CENTROMERE PROTEIN	RPS14	1082.576	-1.872741
					ribosomal protein S14		1081.519	1.30618805
					EST, Highly similar to unknown [H.sapiens]			
GF204	1035588	AA780270	Hs.122153	Hs.229745	ESTs		1081.121	
GF200	243524	N33620	Hs.44526	Hs.44526	ESTs		1081.086	1.49239632
GF203	432668	AA700553	Hs.113159	Hs.206974	ESTs		1080.359	2.04617284
GF200	788334	AA453015	Hs.3254	Hs.3254	ribosomal protein L23-like	RPL23L	1080.002	1.08243949
GF202	841176	AA487054	Hs.28848	Hs.28848	ESTs		1079.738	1.82915897
GF202	730507	AA412495	Hs.98153	Hs.98153	ESTs		1079.505	-1.0346597
GF201	301995	N89738	Hs.25248	Hs.25248	ESTs		1079.034	
					Homo sapiens mRNA for KIAA1211 protein, partial cds		1079.019	
GF201	272531	N35889	Hs.42919	Hs.205293	solute carrier family 6 (neurotransmitter transporter, creatine), member 10	SLC6A10		
GF204	1291956	AA707453	Hs.120012	Hs.275732	ESTs		1078.871	
GF202	757365	AA437124	Hs.98932	Hs.187247	ESTs		1078.567	1.0924836
GF201	795262	AA453997	Hs.23804	Hs.23804	ESTs		1078.162	
GF204	757236	AA426066	Hs.118820	Hs.118820	ESTs		1077.799	
GF202	277039	N39577	Hs.45027	Hs.45027	EST		1077.774	-1.5948125
					pyruvate dehydrogenase kinase, isoenzyme 2	PDK2	1077.465	-1.0072262
GF200	49860	H29474	Hs.92261	Hs.92261	ESTs		1077.37	1.56930543
GF203	452068	AA707125	Hs.18128	Hs.18128				
GF201	85670	T62072	Hs.4029	Hs.4029	glioma-amplified sequence-41	GAS41	1077.129	
GF202	784214	AA446865	Hs.14018	Hs.198281	pyruvate kinase, muscle	PKM2	1076.775	-1.1656052
					vacuolar protein sorting 45B (yeast homolog)	VPS45B	1076.761	-1.3224592
GF203	1466844	AA885433	Hs.57738	Hs.6650	Homo sapiens mRNA; cDNA			
					DKFZp434B1620 (from clone DKFZp434B1620)		1076.743	
GF201	365245	AA024449	Hs.43112	Hs.43112	insulin-like growth factor binding protein 7	IGFBP7	1076.71	2.18041109
GF202	68605	T53298	Hs.119206	Hs.119206				

Westbrook et al.

## APPENDIX A

GF203	796478	AA460420	Hs.44949	Hs.44949	ESTs	1076.129	1.38090219
GF202	731136	AA417283	Hs.11170	Hs.11170	SYT interacting protein	1075.699	-1.1467306
GF204	34142	R45935	Hs.83071	Hs.83071	ESTs	1075.451	
GF201	810689	AA463993	Hs.38200	Hs.38200	ESTs	1074.623	
					Homo sapiens mRNA; cDNA		
GF204	51947	H24313	Hs.117920	Hs.117920	DKFZp564N2163 (from clone)	1074.615	
GF201	796284	AA460841	Hs.96063	Hs.96063	DKFZp564N2163	1074.576	
GF201	809503	AA454562	Hs.99367	Hs.99367	insulin receptor substrate 1	1074.571	
GF202	359837	AA011281	Hs.60451	Hs.60451	ESTs	1074.214	1.64328989
GF204	814675	AA481057	Hs.112198	Hs.112198	ESTs	1073.839	
					ESTs, Weakly similar to RNA		
					POLYMERASE II		
					ELONGATION FACTOR ELL2		
GF201	810328	AA464143	Hs.12866	Hs.108815	[H.sapiens]	1073.559	
GF203	179631	H51122	Hs.26913	Hs.25615	YDD19 protein	1073.416	-2.0452686
GF201	41430	U55962	Hs.64096	Hs.64096	KIAA0427 gene product	1073.387	
GF201	365642	AA025930	Hs.20468	Hs.20468	ESTs	1073.327	
GF204	428045	AA002064	Hs.18920	Hs.18920	ESTs	1073.019	
GF203	786298	AA451859	Hs.99253	Hs.99253	ESTs	1072.977	-2.6311049
					G protein-coupled receptor		
GF202	42123	R59621	Hs.13351	Hs.13351	69A	1072.041	-1.0106173
GF202	416614	W86464	Hs.58836	Hs.228052	ESTs	1071.98	-1.2453707
GF204	713044	AA282263	Hs.107410	Hs.107410	ESTs	1071.753	
					serine/threonine kinase 17a		
GF202	813689	AA453754	Hs.9075	Hs.9075	(apoptosis-inducing)	1071.301	-1.6559244
					Homo sapiens mRNA for		
GF200	251875	H96671	Hs.42222	Hs.44268	KIAA1341 protein, partial cds	1071.295	1.04359196
GF202	784122	AA432061	Hs.98780	Hs.98780	ESTs	1070.847	1.08518226
					proteasome (prosome,		
					macropain) subunit, alpha		
GF204	645184	AA206497	Hs.96282	Hs.251531	type, 4	1070.724	
					PSMA4		
					Homo sapiens cDNA		
GF201	809467	AA443105	Hs.14220	Hs.14220	FLJ20450 fis, clone KAT05607	1070.496	

T02020" 8646860

## APPENDIX A

GF200	786083	AA448676	Hs.79300	Hs.79300	ubiquitin-conjugating enzyme E2 variant 2	UBE2V2	1070.083	1.35095285
GF202	344942	W72861	Hs.109299	Hs.109299	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 3	PPFIA3	1069.755	1.10731742
GF202	289610	N62837	Hs.48647	Hs.48647	immunoglobulin-like transcript 7	ILT7	1069.324	-1.3842699
GF202	33350	R44519	Hs.106634	Hs.106634	EST, Moderately similar to Pro- Pol-dUTPase polypeptide [M.musculus]		1069.084	-1.9202397
GF203	769673	AA428341	Hs.25674	Hs.25674	methyl-CpG binding domain protein 2	MBD2	1068.594	-1.1945313
GF202	343235	W67368	Hs.57883	Hs.261111	EST		1068.432	-1.1348635
GF200	235055	H73608	Hs.94903	Hs.20760	DKFZP564M182 protein	DKFZP564M182	1068.429	-1.1274867
GF201	357544	W94063	Hs.58348	Hs.58348	ESTs, Weakly similar to CORNIFIN A [H.sapiens]		1068.35	
GF202	33122	R44477	Hs.22646	Hs.22646	ESTs		1068.14	-1.3342989
GF202	48286	H11661	Hs.7987	Hs.7987	DKFZP434F162 protein	DKFZP434F162	1067.553	-2.0244578
GF201	264166	N20482	Hs.93410	Hs.172458	iduronate 2-sulfatase (Hunter syndrome)	IDS	1067.464	
GF201	809504	AA454552	Hs.12381	Hs.12381	ESTs		1067.017	
GF203	272879	N33012	Hs.126676	Hs.269711	ESTs		1066.601	1.60873555
GF203	855177	AA781508	Hs.23191	Hs.250911	interleukin 13 receptor, alpha 1	IL13RA1	1066.527	1.39928888
GF200	45542	H08560	Hs.103391	Hs.103391	Human insulin-like growth factor binding protein 5		1066.498	-1.0750517
GF201	271935	N35259	Hs.43691	Hs.43691	(IGFBP5) mRNA ESTs		1066.129	
GF203	713214	AA283603	Hs.104046	Hs.57672	Homo sapiens cDNA FLJ20248 fis, clone COLF6543		1066.111	1.34033849
GF201	769716	AA428960	Hs.902	Hs.902	neurofibromin 2 (bilateral acoustic neuroma)	NF2	1065.034	
GF200	131239	R24258	Hs.106094	Hs.78793	protein kinase C, zeta	PRKCZ	1065.02	-1.1182676

Westbrook et al.

APPENDIX A

GF200	364469	AA022627	Hs.19561	Hs.19561	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 7 (14.5kD, B14.5a)	NDUFA7	1064.966	1.21952835
					v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	KIT		
GF200	265060	N20798	Hs.81665	Hs.81665	ESTs		1064.735	1.03241239
GF204	703960	AA279070	Hs.87668	Hs.269315	ESTs		1064.26	
GF204	460628	AA700452	Hs.120027	Hs.189014	ESTs		1064.248	
GF203	884513	AA630000	Hs.6141	Hs.6141	KIAA0890 protein	KIAA0890	1064.029	1.40789905
GF202	328889	W45453	Hs.110079	Hs.235883	ESTs		1063.773	-1.0048179
GF204	1505650	AA879404	Hs.125417	Hs.125417	EST		1063.15	
					ESTs, Weakly similar to ZC155.4 [C.elegans]		1063.036	-1.5957696
GF202	796079	AA460363	Hs.107755	Hs.107755				
GF201	277186	N40945	Hs.93837	Hs.93837	phosphatidylinositol transfer protein, membrane-associated	PITPNM	1063.033	
					NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc-alpha-2, 6-sialyltransferase alpha2,6-sialyltransferase	ST6GALNACIV	1063.006	-1.6629473
GF202	785694	AA449321	Hs.32411	Hs.3972	brain-specific membrane-anchored protein	BSMAP	1062.838	
GF204	178098	H46527	Hs.5012	Hs.5012	ESTs		1062.701	
GF201	260757	H97215	Hs.108795	Hs.108795	ESTs		1062.219	-1.0816446
GF203	785368	AA476576	Hs.104994	Hs.104741	EST, Highly similar to CYCLIC-AMP-DEPENDENT TRANSCRIPTION FACTOR			
GF204	449329	AA777917	Hs.121988	Hs.228728	ATF-4 [H.sapiens]		1061.876	
GF204	462003	AA780027	Hs.122136	Hs.122136	EST		1061.871	
GF200	813675	AA453832	Hs.37616	Hs.37616	Human D9 splice variant B mRNA, complete cds		1061.419	-1.02518
					homeo box 11 (T-cell lymphoma 3-associated breakpoint)	HOX11		
GF201	429368	AA007444	Hs.89583	Hs.89583	ESTs		1061.36	
GF204	1475195	AA858394	Hs.117955	Hs.117955			1061.231	



## APPENDIX A

GF201	179556	H51425	Hs.31864	Hs.31864	ESTs	1061.18
GF201	211870	H66708	Hs.38542	Hs.269426	ESTs	1060.977
					Homo sapiens cDNA	
					FLJ20363 fis, clone	
GF203	151597	H03955	Hs.121584	Hs.15839	HEP17001	1060.635
					lung type-I cell membrane-	
					associated glycoprotein	
GF201	505076	AA149827	Hs.26666	Hs.135150	T1A-2	1060.592
GF201	435434	AA701476	Hs.75627	Hs.75627	CD14 antigen	1060.416
GF204	855157	AA781491	Hs.122244	Hs.122244	ESTs	1060.141
GF203	454795	AA677300	Hs.64906	Hs.25615	YDD19 protein	1059.881
					ESTs, Moderately similar to	
					GAP JUNCTION ALPHA-5	
GF201	742761	AA400185	Hs.104707	Hs.188758	PROTEIN [H.sapiens]	1059.043
GF203	898259	AA598679	Hs.32740	Hs.194215	ESTs	1058.974
					doublecortin and CaM kinase-	
					like 1	
GF201	277423	N34513	Hs.21355	Hs.21355	DCAMKL1	1058.95
GF202	782526	AA431778	Hs.98757	Hs.98757	ESTs	1058.89
GF200	250519	H89698	Hs.17585	Hs.17585	KIAA0801 gene product	1058.746
GF204	1031003	AA635183	Hs.116865	Hs.116865	EST	1058.586
GF201	269288	N26663	Hs.42522	Hs.42522	ESTs	1058.387
GF204	1461635	AA883822	Hs.125510	Hs.125510	ESTs	1058.233
					ESTs, Weakly similar to ORF2	
					contains a reverse	
					transcriptase domain	
GF200	137417	R38239	Hs.25276	Hs.25276	[H.sapiens]	1058.138
					Homo sapiens cDNA	
					FLJ11011 fis, clone	
					PLACE1003174, moderately	
					similar to UBIQUITIN-	
					CONJUGATING ENZYME E2-	
					18 KD (EC 6.3.2.19)	
GF202	1048702	AA620611	Hs.5375	Hs.21275	biglycan	1057.193
GF200	244147	N51018	Hs.821	Hs.821	ESTs, Highly similar to gene	1056.961
					ERCC5 protein [H.sapiens]	
GF204	436552	AA703057	Hs.14671	Hs.14671	EST	1056.672
GF202	251195	H97385	Hs.42371	Hs.42371	spindlin	1056.567
GF201	773554	AA428181	Hs.98543	Hs.271871	SPIN	-1.8254903

## APPENDIX A

GF200	160488	H22173	Hs.19606	Hs.180284	ESTs ESTs, Weakly similar to Similar to phytoene desaturase [C.elegans] cytochrome c oxidase subunit Vlc Homo sapiens mRNA; cDNA DKFZp586C1817 (from clone DKFZp586C1817) ESTs ESTs, Moderately similar to !!!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens] neuronal PAS domain protein 2 cold shock domain protein A Homo sapiens cDNA FLJ10615 fis, clone NT2RP2005441 ESTs cyclin D1 (PRAD1: parathyroid adenomatosis 1) SRY (sex determining region Y)-box 4 ESTs	1056.554  1056.325 1055.837  1055.824 1055.76  1055.615 1055.603 1055.389  1054.537 1054.527 1054.453 1054.051 1053.975	1.00727364     2.26864309    -1.086654 -1.1226105 1.04534707
GF201	758314	AA404246	Hs.97031	Hs.97031	ESTs, Weakly similar to cDNA this gene [C.elegans] ESTs	1053.894 1053.808	-1.8456771 -1.7982166
GF200	838568	AA456931	Hs.74649	Hs.74649	ESTs, Weakly similar to mucin [H.sapiens] Homo sapiens clone LCHN mRNA sequence KIAA0666 protein	1053.538  1053.471 1052.892	1.38300454 1.32872258
GF203	471863	AA035147	Hs.42458	Hs.42458			
GF201	324951	W48852	Hs.56021	Hs.40098			
GF204	22866	R38547	Hs.100509	Hs.91052			
GF201	161998	H26182	Hs.106705	Hs.106705			
GF200	810057	AA465019	Hs.89491	Hs.1139			2.22708131
GF201	810083	AA464962	Hs.5209	Hs.238928			
GF200	53341	R15934	Hs.91375	Hs.179182			
GF200	841641	AA487700	Hs.82932	Hs.82932			
GF202	788205	AA453420	Hs.83484	Hs.83484			
GF201	345196	W72333	Hs.106222	Hs.111314			
GF202	251330	H97880	Hs.108824	Hs.108824			
GF203	258693	N30080	Hs.44146	Hs.44146			
GF201	415305	W91980	Hs.29615	Hs.109047			
GF203	261492	H98619	Hs.12461	Hs.12461			
GF202	841475	AA487243	Hs.90371	Hs.197751			

## APPENDIX A

GF202	796406	AA459944	Hs.108924	Hs.108924	DKFZP586P1422 protein vitronectin (serum spreading factor, somatomedin B, complement S-protein) ESTs	DKFZP586P1422	1052.039	-1.4743954
GF200	247546	N58107	Hs.2257	Hs.2257	YDD19 protein	VTN	1051.867	-1.6570151
GF201	415806	W84774	Hs.17643	Hs.17643	F-box protein Fbw2	YDD19	1051.556	1.40379606
GF203	290555	N68012	Hs.40917	Hs.25615	apolipoprotein A-I	FBW2	1051.089	
GF201	488886	AA046066	Hs.13755	Hs.13755	ESTs	APOA1	1050.891	
GF201	200263	R97710	Hs.93194	Hs.93194	transducin-like enhancer of split 3, homolog of Drosophila E(sp1)		1050.844	1.33033632
GF200	195784	R89285	Hs.34268	Hs.271634	amino-terminal enhancer of split	TLE3	1050.533	
GF201	321574	W32778	Hs.83268	Hs.31305	DKFZP434D1335 protein	AES	1049.866	
GF201	811145	AA485742	Hs.244	Hs.244	ESTs, Moderately similar to !!!!	DKFZP434D1335	1049.631	1.11509525
GF200	161195	H25229	Hs.16724	Hs.8258	ALU SUBFAMILY SQ		1049.485	
GF201	795590	AA459693	Hs.21654	Hs.84560	WARNING ENTRY !!!!		1049.339	
GF202	781468	AA432292	Hs.23388	Hs.23388	[H.sapiens]		1049.076	-1.6591605
GF200	294995	N99553	Hs.53300	Hs.268918	ESTs		1049.074	1.12733052
GF203	280825	N50681	Hs.30411	Hs.30411	ESTs		1049.069	-2.3303815
GF202	785707	AA449336	Hs.5101	Hs.5101	protein regulator of cytokinesis	PRC1	1049.026	-1.1982081
GF202	772960	AA476257	Hs.104858	Hs.163859	1		1048.866	1.17459461
GF203	755389	AA410608	Hs.91041	Hs.143601	Homo sapiens cDNA		1048.52	1.11982718
GF201	884539	AA629804	Hs.85960	Hs.224137	FLJ20678 fis, clone KIAA4163	DKFZP566D143	1048.444	
GF202	40120	R52658	Hs.25938	Hs.173656	DKFZP566D143 protein	KIAA0941	1048.269	1.08514162
GF201	52926	H29064	Hs.6200	Hs.7977	KIAA0941 protein	KIAA0411	1048.22	
GF201	290280	N64464	Hs.34950	Hs.34950	KIAA0411 gene product		1047.768	-1.0748482
GF203	815087	AA465193	Hs.56028	Hs.171857	ESTs		1047.586	

APPENDIX A

ESTs, Moderately similar to !!!

ALU SUBFAMILY J

WARNING ENTRY !!!

GF202	46375	H09086	Hs.125200	Hs.192949	[H.sapiens]	1047.555	-1.269163
					hypothetical protein, estradiol-		
GF202	27098	R36989	Hs.8361	Hs.8361	induced	1047.48	-1.2948094
GF201	126449	R06706	Hs.19770	Hs.25615	YDD19 protein	1047.393	
GF204	1466911	AA884337	Hs.120573	Hs.120573	ESTs	1047.321	
					p21 (CDKN1A)-activated		
GF203	825660	AA505056	Hs.30692	Hs.30692	kinase 2	1046.697	-1.1261549
GF203	726675	AA398329	Hs.97611	Hs.97611	ESTs	1046.617	-1.7054051
GF202	729953	AA412049	Hs.97708	Hs.97708	ESTs	1046.28	1.04990685
GF203	684240	AA251152	Hs.71019	Hs.193657	ESTs	1045.642	1.15313169
					alpha-actinin-2-associated LIM		
GF204	1584628	AA972352	Hs.129916	Hs.135281	protein	1045.255	
GF202	490551	AA126803	Hs.70953	Hs.70953	ESTs	1044.953	1.03893502
GF204	122138	T98491	Hs.18381	Hs.268650	ESTs	1044.722	
GF202	796166	AA461084	Hs.104959	Hs.271377	ESTs	1044.681	-1.5673521
GF203	825408	AA504262	Hs.54835	Hs.173051	ESTs	1044.555	-1.3608455
GF203	129375	R12708	Hs.91220	Hs.260592	ESTs	1043.335	-1.1330047
GF201	279905	N38860	Hs.28693	Hs.118087	KIAA0610 protein	1042.755	
					ubiquinol-cytochrome c		
GF201	852520	AA663058	Hs.118856	Hs.173554	reductase core protein II	1042.36	
GF202	269182	N24703	Hs.80067	Hs.123065	ESTs	1042.2	1.31567519
GF204	1607229	A1014441	Hs.16611	Hs.16611	tumor protein D52-like 1	1042.187	
GF200	842863	AA489261	Hs.75789	Hs.75789	N-myc downstream regulated	1042.077	-1.1193717
GF200	813828	AA447773	Hs.23311	Hs.23311	KIAA0367 protein	1041.896	-1.0703263
GF203	174396	H21394	Hs.31822	Hs.271609	ESTs	1041.78	-2.3689459
					Homo sapiens cDNA		
					FLJ20672 fis, clone KAI4492,		
					highly similar to M95549 Homo		
					sapiens sodium/glucose		
					cotransporter-like protein		
GF204	897745	AA599007	Hs.9003	Hs.9003	ESTs	1041.471	
GF201	210820	H67712	Hs.108155	Hs.108155	ESTs	1041.213	
GF204	700568	AA285149	Hs.111392	Hs.111392	ESTs	1041.194	

APPENDIX A

GF200	843094	AA488626	Hs.81424	Hs.81424	ubiquitin-like 1 (sentrin) ESTs, Weakly similar to unknown [D.melanogaster] ESTs, Weakly similar to alternatively spliced product using exon 13A [H.sapiens] potassium inwardly-rectifying channel, subfamily J, member 8	UBL1	1041.129	1.04261457
GF202	788213	AA453435	Hs.61164	Hs.61164			1041.085	-1.3579424
GF204	112497	T91048	Hs.16029	Hs.16029			1041.024	
GF201	472095	AA036956	Hs.102308	Hs.102308		KCNJ8	1040.913	
GF200	135450	R32751	Hs.24552	Hs.203365	ESTs		1040.894	1.14576999
GF201	132217	R26396	Hs.106128	Hs.152663	p21 (CDKN1A)-activated kinase 3	PAK3	1040.596	
GF200	121239	T96708	Hs.17846	Hs.145061	ESTs, Weakly similar to SmD homolog, liver [M.musculus] ESTs		1040.283	-1.104262
GF204	50732	H17543	Hs.92580	Hs.92580			1040.246	
GF201	327228	AA284304	Hs.107479	Hs.107479	KIAA0738 gene product	KIAA0738	1039.989	
GF203	785535	AA450351	Hs.9176	Hs.9176	ESTs		1039.915	-1.7400826
GF200	826622	AA521490	Hs.30909	Hs.30909	Human Chromosome 16 BAC clone CIT987SK-A-362G6		1039.387	1.19269213
GF200	246765	N53169	Hs.73849	Hs.73849	apolipoprotein C-III Homo sapiens cDNA FLJ10486 fis, clone NT2RP2000205	APOC3	1038.258	1.4411462
GF203	129345	R12694	Hs.11807	Hs.173946	ESTs, Weakly similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!!		1038.24	-1.7900139
GF200	140354	R65622	Hs.92177	Hs.270876	[H.sapiens] SEC22, vesicle trafficking protein (S. cerevisiae)-like 1 solute carrier family 17 (sodium phosphate), member 4		1037.912	-1.2250017
GF203	813249	AA455917	Hs.50785	Hs.50785		SEC22L1	1037.905	-1.4112838
GF203	416401	W86874	Hs.128827	Hs.128827		SLC17A4	1037.712	-2.178762

APPENDIX A

GF201	729964	AA416890	Hs.77813	Hs.77813	sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase)	SMPD1	1037.669
GF202	593929	AA169379	Hs.72865	Hs.72865	ESTs		-1.4014503
GF203	898300	AA598822	Hs.45245	Hs.45245	ESTs		1.22217143
GF202	510563	AA055766	Hs.103485	Hs.267706	ESTs		1.09999957
GF202	784238	AA446881	Hs.42796	Hs.42796	Homo sapiens mRNA for KIAA1281 protein, partial cds		1.28043076
GF204	1020519	AA788897	Hs.122371	Hs.122371	EST		1036.902
GF200	34849	R20379	Hs.75309	Hs.75309	eukaryotic translation elongation factor 2	EEF2	1036.345
GF202	46667	H09790	Hs.107444	Hs.107444	Homo sapiens cDNA FLJ20562 fis, clone KAT11992		-1.2215609
GF202	743278	AA400408	Hs.97793	Hs.129055	outer dense fibre of sperm tails 2	ODF2	1036.248
GF202	40449	R53258	Hs.106443	Hs.278877	ESTs		1036.217
GF202	119004	T92782	Hs.91074	Hs.179635	ESTs		1036.103
GF204	1569989	AA962407	Hs.129934	Hs.182238	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	YWHAB	1035.904
GF202	199355	R95929	Hs.121941	Hs.30057	Homo sapiens clone 24749 and 24750 mRNA sequences		1035.651
GF201	810737	AA457723	Hs.26506	Hs.26506	ESTs, Weakly similar to NY-REN-45 antigen [H.sapiens]		1035.037
GF200	140304	R66820	Hs.28780	Hs.28780	Homo sapiens cDNA FLJ11216 fis, clone PLACE1008002		1034.707
GF201	853988	AA669526	Hs.108104	Hs.108104	ubiquitin-conjugating enzyme E2L 3	UBE2L3	1034.592
GF202	344115	W73409	Hs.103185	Hs.103185	ESTs		1034.567
GF204	344032	W70255	Hs.125844	Hs.125844	ESTs		1034.298
GF204	378420	AA775576	Hs.61743	Hs.106730	chromosome 22 open reading frame 3	C22ORF3	1034.198

APPENDIX A

GF200	843016	AA488526	Hs.75337	Hs.75337	nucleolar phosphoprotein p130 P130	1034.172	1.29710253
GF201	342522	W68559	Hs.102953	Hs.126900	ESTs	1034.096	
GF201	51221	H19246	Hs.106635	Hs.106635	ortholog of rat pippin	1033.965	
					Homo sapiens mRNA; cDNA		
GF201	430186	AA010188	Hs.103305	Hs.103305	DKFZp434B0425 (from clone	1033.737	
GF202	23116	R39179	Hs.106326	Hs.92096	DKFZp434B0425)	1033.64	-1.3436859
GF204	1472724	AA872372	Hs.112545	Hs.112545	ESTs	1033.503	
					ESTs		
					Homo sapiens mRNA for		
GF204	1588700	AA975354	Hs.16758	Hs.16758	KIAA1135 protein, partial cds	1032.907	
GF203	796480	AA460422	Hs.30875	Hs.30875	ESTs	1032.865	-1.7540913
GF200	841498	AA487370	Hs.74522	Hs.180224	death-associated protein 6	1032.71	-1.1003384
					DAXX		
					Homo sapiens cDNA		
GF203	415795	W84585	Hs.5894	Hs.5894	FLJ10305 fis, clone	1032.68	-2.2749283
GF202	300015	N78902	Hs.94346	Hs.226627	NT2RM2000239	1032.678	1.48870323
					leptin receptor		
					SEC24 (S. cerevisiae) related		
GF202	785840	AA449107	Hs.19822	Hs.19822	gene family, member D	1031.625	-1.0182759
GF200	124143	R01361	Hs.19165	Hs.19165	ESTs	1031.057	-1.3878583
GF201	377641	AA055992	Hs.26067	Hs.7753	calumenin	1030.464	
GF203	857603	AA782337	Hs.117970	Hs.117970	ankyrin 2, neuronal	1030.306	1.19478147
GF203	397488	AA701075	Hs.112371	Hs.267182	TBX3-iso protein	1029.98	-1.7533132
					ESTs, Weakly similar to		
					reverse transcriptase related		
GF202	731338	AA416775	Hs.92314	Hs.25218	protein [H.sapiens]	1029.899	-2.2945133
GF201	771060	AA427522	Hs.100829	Hs.203402	ESTs	1029.25	
					acid phosphatase 5, tartrate		
GF200	127821	R08816	Hs.1211	Hs.1211	resistant	1028.96	-1.2407465
GF202	796932	AA463213	Hs.105090	Hs.143460	protein kinase C, nu	1028.655	1.26256723
GF202	595078	AA164819	Hs.53631	Hs.53631	ESTs	1028.408	1.08516941
GF203	436070	AA700811	Hs.20024	Hs.235168	carbonic anhydrase XIV	1027.811	-1.8316364
GF203	223323	H86545	Hs.40936	Hs.167903	ESTs	1027.55	-1.431653
GF202	838500	AA457528	Hs.22979	Hs.22979	ESTs	1027.36	1.01266192
					tumor protein 53-binding		
GF203	178877	H49530	Hs.31634	Hs.170263	protein, 1	1027.359	1.126708
					TP53BP1		

APPENDIX A

GF200	242578	H94949	Hs.81910	Hs.171955	trophinin associated protein (tastin)	TROAP	1027.201	-1.0947327
GF201	308746	N93247	Hs.100265	Hs.100265	ESTs		1026.473	
GF203	451085	AA704516	Hs.119825	Hs.119825	ESTs		1026.429	-1.2253366
					proteasome (prosome, macropain) subunit, alpha type, 6	PSMA6	1026.206	-1.0151061
GF200	509495	AA047338	Hs.74077	Hs.74077	ESTs		1025.338	
GF201	210906	H65988	Hs.108271	Hs.268957	ESTs		1025.173	-2.203573
GF202	1031176	AA609953	Hs.112792	Hs.179641	ESTs		1025.129	-1.142265
GF202	278625	N66201	Hs.49143	Hs.49143	EST		1024.895	-1.3259251
GF203	451473	AA707312	Hs.12720	Hs.12720	ESTs		1024.839	1.47908822
GF203	272748	N36232	Hs.43752	Hs.69855	NRAS-related gene	D1S155E	1023.578	-1.0768603
GF200	239877	H79778	Hs.6975	Hs.6975	histone deacetylase 3	HDAC3		
					ESTs, Highly similar to CGI-115 protein [H.sapiens]		1023.118	-2.0215141
GF202	772918	AA479913	Hs.56043	Hs.56043	regulator of G-protein signalling 13	RGS13	1022.61	
GF201	239446	H70047	Hs.17165	Hs.17165	ESTs		1022.55	1.52607137
GF203	263271	H99945	Hs.124538	Hs.124538	solute carrier family 20 (phosphate transporter), member 1	SLC20A1	1022.538	1.11374018
GF200	325062	W47073	Hs.78452	Hs.78452	ESTs, Weakly similar to FB19 protein [H.sapiens]		1022.49	
GF201	291690	N67832	Hs.42390	Hs.42390	Homo sapiens clone 24504 mRNA sequence		1022.407	
GF201	33496	R43867	Hs.51649	Hs.51649	mutS (E. coli) homolog 5	MSH5	1022.236	
GF201	795640	AA459915	Hs.71561	Hs.112193	ESTs		1022.038	
GF204	744913	AA625804	Hs.116082	Hs.266299	KIAA0143 protein	KIAA0143	1021.513	
GF201	530310	AA112057	Hs.84087	Hs.84087	Homo sapiens cDNA FLJ20172 fis, clone COL09807		1021.226	1.56563671
GF202	813661	AA447764	Hs.12372	Hs.255660	solute carrier family 35 (CMP-sialic acid transporter), member 1	SLC35A1	1021.01	-1.0152223
GF200	796680	AA460679	Hs.82921	Hs.82921	pleomorphic adenoma gene-like 1	PLAGL1	1020.488	1.20725278
GF200	796904	AA463297	Hs.75825	Hs.75825				



APPENDIX A

GF203	815164	AA481135	Hs.105154	Hs.163203	ESTs, Weakly similar to hypothetical protein [H.sapiens] ESTs ESTs	1020.321	1.26163461
GF202	796117	AA460961	Hs.30011	Hs.30011		1020.306	-2.7864043
GF202	1030779	AA609004	Hs.112627	Hs.112627		1020.235	-1.3178567
GF200	154465	R54850	Hs.20343	Hs.184552	biphenylhydrolase-like (serine hydrolase; breast epithelial mucin-associated antigen) ESTs ESTs ESTs	1020.187	-1.7284522
GF204	1031266	AA609047	Hs.112634	Hs.269474		1020.174	
GF203	823719	AA489660	Hs.7626	Hs.7626		1020.098	-1.2701119
GF200	207016	R98442	Hs.35976	Hs.35976		1019.75	1.34719728
GF200	22711	T74714	Hs.37147	Hs.211596	ribosomal protein S6 kinase, 90kD, polypeptide 2 ESTs	1019.487	-1.0196809
GF202	329018	W42508	Hs.3593	Hs.3593		1019.342	-2.1889336
GF201	139840	R62384	Hs.78036	Hs.78036	solute carrier family 6 (neurotransmitter transporter, noradrenalin), member 2 ESTs	1019.263	
GF201	429011	AA004719	Hs.47482	Hs.269079		1018.662	
GF202	84211	T72915	Hs.107055	Hs.107055	STAT induced STAT inhibitor 3 ESTs	1018.393	-1.5365655
GF200	243770	N39325	Hs.14893	Hs.194225		1018.281	1.77886915
GF200	129112	R10973	Hs.107941	Hs.121576		1018.211	-1.2805626
GF201	309246	N93865	Hs.108599	Hs.268024	aspartate beta-hydroxylase Homo sapiens mRNA; cDNA DKFZp434C184 (from clone DKFZp434C184) sphingosine-1-phosphate lyase 1	1018.185	
GF202	730739	AA435998	Hs.21029	Hs.186613		1017.434	-1.7481581
GF204	145491	R77512	Hs.113714	Hs.79769	protocadherin 1 (cadherin-like 1) ESTs Human Ig J chain gene ESTs ESTs ESTs	1017.128	
GF201	782209	AA431986	Hs.40583	Hs.40583		1016.909	
GF200	80948	T70057	Hs.76325	Hs.76325		1016.878	1.48328288
GF202	123585	R00835	Hs.113037	Hs.191190		1016.692	1.09168837
GF204	1048915	AA778570	Hs.129837	Hs.129837	ESTs	1016.554	
GF201	487959	AA054585	Hs.63131	Hs.63131		1016.504	

APPENDIX A

ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!!									
GF203	284042	N53394	Hs.114434	Hs.114434	[H.sapiens] 24 kDa intrinsic membrane protein EST pepsinogen 5, group I (pepsinogen A) ESTs, Moderately similar to hypothetical protein [H.sapiens] ESTs ribosomal protein L24 ESTs ESTs				
								1016.159	1.06152669
GF201	25838	R37108	Hs.20528	Hs.241205	PMP24				
GF202	629907	AA219230	Hs.86815	Hs.86815	EST				
								1016.117	1.37640878
GF201	155768	R72097	Hs.75558	Hs.75558	PGA5				
								1016.015	
GF202	665261	AA195276	Hs.55549	Hs.263858	ESTs				
GF203	290194	N64366	Hs.126555	Hs.126555	ESTs				
GF203	857681	AA633768	Hs.118779	Hs.184582	RPL24				
GF201	127070	R07887	Hs.108003	Hs.108003	ESTs				
GF203	268385	N23400	Hs.43388	Hs.43388	ESTs				
								1015.365	-1.2291969
GF201	854899	AA630374	Hs.79323	Hs.180383	dual specificity phosphatase 6 tumor suppressor deleted in oral cancer-related 1 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)				
								1015.169	1.84204858
GF201	810429	AA457108	Hs.25664	Hs.25664	DOC-1R				
								1014.802	-2.232097
GF201	238821	H65030	Hs.93304	Hs.93304	PLA2G7				
								1014.677	-1.2010219
GF204	745499	AA625993	Hs.116116	Hs.116116	ESTs, Weakly similar to KIAA0635 protein [H.sapiens] ESTs ESTs ESTs, Weakly similar to testicular teklin B1-like protein [H.sapiens] RAN binding protein 7 zinc finger protein 187 v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)				
GF203	811926	AA454660	Hs.44841	Hs.44841	ESTs				
GF204	461235	AA699762	Hs.121942	Hs.187840	ESTs				
								1013.866	1.21209295
GF204	1048769	AA626939	Hs.116185	Hs.103441	RANBP7				
GF201	490612	AA126755	Hs.106779	Hs.5151	ZNF187				
GF201	361899	AA001376	Hs.9219	Hs.237786	ESTs				
								1013.808	
GF200	322617	W15297	RG.39	Hs.250811	RALB				
								1013.563	
								1012.929	1.19987846

APPENDIX A

GF201	415670	W84701	Hs.42653	Hs.22891	solute carrier family 7 (cationic amino acid transporter, y+ system), member 8	SLC7A8	1012.748
GF202	757368	AA437126	Hs.83644	Hs.91299	postmeiotic segregation increased 2-like 12	PMS2L12	1012.619
GF203	826995	AA521384	Hs.16726	Hs.17155	Homo sapiens mRNA; cDNA DKFZp564A132 (from clone DKFZp564A132)		1012.476
GF200	45544	H08564	Hs.75725	Hs.75725	transgelin 2	TAGLN2	1012.356
GF200	297102	W03926	Hs.12028	Hs.12028	H.sapiens mRNA for retrotransposon		1012.222
GF204	814135	AA465398	Hs.87089	Hs.87089	ESTs		1011.339
GF200	309161	N99243	Hs.32931	Hs.168357	T-box 2	TBX2	1011.246
GF200	161993	H26183	Hs.99029	Hs.99029	CCAAT/enhancer binding protein (C/EBP), beta	CEBPB	1010.998
GF202	796878	AA463189	Hs.108631	Hs.108631	ESTs		1010.597
GF204	175163	H38991	Hs.110559	Hs.7535	Human DNA sequence from clone RP11-395L14 on chromosome 22q13.32-13.33. Contains (part of) up to six novel genes or pseudogenes, the gene for a novel forkhead protein similar to FOXD4 (forkhead box D4, FREAC5), the gene for a novel phosphoglucosyltransferase like ESTs		1010.53
GF201	257248	N26906	Hs.108603	Hs.175444	ESTs, Weakly similar to p60 katanin [H.sapiens]		1010.207
GF204	45452	H09719	Hs.100861	Hs.100861	proteasome (prosome, macropain) subunit, beta type, 3		1010.129
GF200	951233	AA620580	Hs.82793	Hs.82793	ESTs, Highly similar to homer-1b [H.sapiens]	PSMB3	1009.867
GF201	415707	W84663	Hs.108068	Hs.108068			1009.849
							-1.0087774

APPENDIX A

GF202	292637	N68578	Hs.102780	Hs.102780	EST	1009.732	-1.1394811
GF203	827171	AA521300	Hs.23296	Hs.23296	ESTs	1009.638	-1.256328
GF202	613303	AA181600	Hs.62741	Hs.111515	DKFZP5861023 protein	1009.276	1.35406594
					Homo sapiens mRNA, chromosome 1 specific transcript KIAA0495		
GF201	344290	W70114	Hs.49658	Hs.49658	ESTs	1008.672	
GF200	159935	H21520	Hs.35088	Hs.35088	ESTs	1008.385	-1.12779
GF200	204111	H55907	Hs.20201	Hs.151903	Homo sapiens clone 24706 mRNA sequence	1007.887	1.31912851
GF201	795263	AA454008	Hs.35653	Hs.183232	ESTs	1007.502	
GF204	151492	H02839	Hs.113736	Hs.74441	chromodomain helicase DNA binding protein 4	1007.485	
					CHD4		
GF202	324844	W49633	Hs.111375	Hs.197877	Homo sapiens cDNA	1007.474	
GF204	1606275	AA989515	Hs.10012	Hs.240443	FLJ20693 fis, clone KAlA2667 chondroitin 4-sulfotransferase	1007.403	-1.0374242
GF201	797048	AA463225	Hs.68879	Hs.68879	bone morphogenetic protein 4	1007.216	
GF200	295992	N73555	Hs.40154	Hs.40154	jumonji (mouse) homolog	1006.961	-1.0578119
GF204	1048963	AA778610	Hs.122045	Hs.122045	ESTs	1006.726	
GF201	810741	AA457725	Hs.7719	Hs.7719	GABA(A) receptor-associated protein	1006.498	
GF201	297638	N69850	Hs.49759	Hs.49759	ESTs	1006.052	
GF200	244806	N54416	Hs.47820	Hs.269829	ESTs	1005.163	-1.2586411
GF202	1031510	AA609242	Hs.112670	Hs.112670	EST, Highly similar to densin- 180 [R.norvegicus]	1005.132	1.01233548
GF203	754625	AA436260	Hs.70604	Hs.70604	ATPase type IV, phospholipid- transporting (P-type),(putative)	1004.995	-2.4798089
GF201	436029	AA700005	Hs.19413	Hs.19413	S100 calcium-binding protein	1004.99	
GF200	193381	H48096	Hs.25819	Hs.25819	A12 (calgranulin C)	1004.792	1.2528627
GF203	451095	AA704519	Hs.82920	Hs.82920	ESTs	1004.593	-1.5062911
GF200	841703	AA488721	Hs.77356	Hs.77356	transferrin receptor (p90, CD71)	1004.465	1.44638137
GF204	447088	AA702517	Hs.118368	Hs.118368	ESTs	1004.384	

[illegible]

APPENDIX A

GF201	131599	R23727	Hs.23580	Hs.179262	ESTs	1001.897
GF203	245866	N55342	Hs.34372	Hs.34372	ESTs	1001.877
GF201	276975	N39240	Hs.107112	Hs.111515	DKFZP58611023 protein	-1.2105953
GF201	376652	AA045257	Hs.7790	Hs.7790	ESTs	1001.666
GF202	283744	N50740	Hs.47111	Hs.47111	ESTs	1001.614
GF201	268258	N30006	Hs.101459	Hs.269055	ESTs	1001.415
GF202	284586	N59451	Hs.48389	Hs.48389	ESTs	1001
					caspase 4, apoptosis-related	1.39886276
GF200	183194	H45000	Hs.74122	Hs.74122	cysteine protease	1000.931
					insulin-like growth factor 1	1000.818
					(somatomedin C)	1.07202754
GF200	813179	AA456321	Hs.85112	Hs.85112	ESTs	1000.519
GF202	293811	N65982	Hs.109434	Hs.109434	ESTs	-1.070346
GF201	22374	T82459	Hs.13207	Hs.13207	ESTs	-1.4083452
GF201	502462	AA134809	Hs.58117	Hs.109999	ESTs	999.1714
GF201	758347	AA404352	Hs.54541	Hs.178603	ESTs	999.1493
					ESTs, Highly similar to RAS-RELATED PROTEIN RAB-1A	998.9786
					[M.musculus]	
GF204	37820	R59359	Hs.26648	Hs.5566	casein kinase 1, epsilon	998.9208
GF200	358675	W94106	Hs.110165	Hs.79658	ESTs	998.7156
GF202	294611	N71259	Hs.109330	Hs.269087	ESTs	998.4099
					ESTs, Weakly similar to LPP	
GF203	756599	AA444053	Hs.10645	Hs.10645	[H.sapiens]	998.2155
					Homo sapiens cDNA	-1.5478607
					FLJ10209 fis, clone	
					HEMBA1006310, highly similar to Rattus norvegicus	
					cytosolic sorting protein PACS-1a mRNA	
GF202	811851	AA454626	Hs.111754	Hs.260150	signal transduction protein	998.1212
GF201	795730	AA460282	Hs.24587	Hs.24587	(SH3 containing)	-2.771956
					ESTs, Weakly similar to	
					TESTIS-SPECIFIC PROTEIN	
					TPX-1 PRECURSOR	
					[H.sapiens]	
GF203	868396	AA634164	Hs.7745	Hs.7745	KIAA0876 protein	997.7996
GF201	809806	AA454753	Hs.62246	Hs.24174	ESTs	997.6902
GF202	782479	AA431761	Hs.98754	Hs.98754	ESTs	997.6813
						-2.3597694
						-1.928687

Westbrook et al.

## APPENDIX A

GF200	824117	AA490617	Hs.82771	Hs.82771	vaccinia related kinase 2	VRK2	997.6758	1.05560888
GF201	415527	W80376	Hs.19152	Hs.174174	KIAA0601 protein	KIAA0601	997.3371	
GF202	595620	AA167328	Hs.28378	Hs.75621	protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin	PI	996.7933	-1.3093908
GF201	278687	N62924	Hs.107127	Hs.107127	Homo sapiens mRNA; cDNA		996.6422	
GF202	758309	AA404269	Hs.6786	Hs.6786	DKFZp564G022 (from clone DKFZp564G022)		996.5597	1.04105154
GF204	25071	R38967	Hs.113392	Hs.10590	Homo sapiens clone 25071 and 25177 mRNA sequences		996.2896	
GF202	132418	R26542	Hs.26247	Hs.92200	KIAA0480 gene product	KIAA0480	996.0245	1.90327311
GF200	825478	AA504351	Hs.75471	Hs.75471	zinc finger protein 146	ZNF146	995.7961	2.06027646
GF202	950098	AA598402	Hs.112380	Hs.183861	Homo sapiens cDNA			
					FLJ20042 fis, clone COL00424		995.4292	1.07778805
GF202	124034	R02558	Hs.121055	Hs.185680	ESTs, Highly similar to LYMPHOTOXIN-BETA		995.09	1.26253852
GF201	1031940	AA609759	Hs.51120	Hs.51120	RECEPTOR PRECURSOR [H.sapiens]		994.8269	
					cathelicidin antimicrobial peptide	CAMP		
					ESTs, Moderately similar to !!!			
					ALU SUBFAMILY SQ			
					WARNING ENTRY !!!!			
GF203	725978	AA394066	Hs.129939	Hs.192926	[H.sapiens]		994.4209	1.20791007
GF204	486641	AA043466	Hs.70565	Hs.70565	molybdenum cofactor synthesis 2	MOCS2	993.8559	
GF202	731310	AA416760	Hs.98254	Hs.98254	EST		993.8223	-2.1939561
GF200	505059	AA150918	Hs.37012	Hs.275215	hydroxysteroid (11-beta)		993.8214	1.15624894
GF204	295432	N70366	Hs.49847	Hs.269317	dehydrogenase 1	HSD11B1	993.6069	
GF203	396045	AA757659	Hs.64595	Hs.64595	ESTs		993.4395	1.36803243
					DKFZP566E2346 protein	DKFZP566E2346		
					ESTs, Moderately similar to !!!!			
					ALU SUBFAMILY SP			
					WARNING ENTRY !!!!			
GF201	307314	N95217	Hs.55121	Hs.210706	[H.sapiens]		993.2401	

103020" 8546860

## APPENDIX A

GF203	43090	R61289	Hs.94044	Hs.22237	lethal (3) malignant brain tumor l(3)mbt protein (Drosophila) homolog Homo sapiens mRNA; cDNA DKFZp762E115 (from clone DKFZp762E115); partial cds ESTs KIAA0174 gene product ESTs ESTs DKFZP586M1824 protein cysteine-rich protein 2 ESTs	KIAA0681	993.2135	1.07659176
GF203	290072	N64681	Hs.108297	Hs.109778	Human DNA sequence from clone 967N21 on chromosome 20p12.3-13. Contains the CHGB gene for chromogranin B (secretogranin 1, SCG1), a pseudogene similar to part of KIAA0172, the gene for a novel protein similar to predicted worm, yeast and plant proteins, KIAA1010 protein	DKFZP586M1824 CRIP2	993.1602	-1.0630987
GF204	220167	H85107	Hs.40689	Hs.222581			992.4723	
GF200	79710	T63171	Hs.75824	Hs.75824			991.9534	-1.1520753
GF201	291394	N72286	Hs.42626	Hs.108873			991.9146	
GF203	666138	AA233552	Hs.7864	Hs.7864			991.8594	-1.8437079
GF204	179199	H50130	Hs.31030	Hs.25882			991.7543	
GF201	811046	AA485427	Hs.70327	Hs.70327			991.5916	
GF202	280683	N50517	Hs.102650	Hs.102650			991.1146	-1.1410332
GF202	358052	W94690	Hs.59564	Hs.88959	general transcription factor IIH, polypeptide 3 (34kD subunit) ESTs natural killer cell transcript 4 EphB3 cell adhesion molecule with homology to L1CAM (close homologue of L1) ESTs	KIAA1010	990.7972	1.12109431
GF201	795379	AA453501	Hs.23860	Hs.23860			990.6843	
GF201	796278	AA460838	Hs.90304	Hs.90304			990.6481	
GF204	1461629	AA83820	Hs.125509	Hs.125509			990.454	
GF200	810859	AA458965	Hs.943	Hs.943	homology to L1CAM (close homologue of L1) ESTs	NK4 EPHB3	990.3654	-1.0107379
GF200	813520	AA455591	Hs.2913	Hs.2913			990.2985	1.13331835
GF200	27787	R40400	Hs.21226	Hs.210863	homology to L1CAM (close homologue of L1) ESTs	CHL1	990.2935	1.03401928
GF203	280640	N50428	Hs.7171	Hs.7171			990.1434	1.20503038



APPENDIX A

GF200	42739	R61674	Hs.11937	Hs.227777	protein tyrosine phosphatase type IVA, member 1	PTP4A1	990.0834	-1.1267586
GF200	184240	H43854	Hs.6088	Hs.6088	a disintegrin and metalloproteinase domain 11	ADAM11	990.0282	-1.4365818
GF204	624271	AA181179	Hs.108708	Hs.108708	calcium/calmodulin-dependent protein kinase kinase 2, beta	CAMKK2	989.3245	
GF201	769712	AA428959	Hs.9569	Hs.153227	cyclin G associated kinase	GAK	989.3043	
GF202	415413	W81117	Hs.58471	Hs.58471	ESTs		989.0259	-1.6006355
GF204	448323	AA777474	Hs.121925	Hs.121925	ESTs		988.9362	
GF202	306052	N91461	Hs.54709	Hs.54709	ESTs		988.8284	1.30016987
GF204	450103	AA703516	Hs.121724	Hs.121724	ESTs		988.6504	
GF203	878815	AA670422	Hs.119177	Hs.119177	ADP-ribosylation factor 3	ARF3	988.4298	-1.0132957
					ESTs, Moderately similar to !!!!			
					ALU SUBFAMILY SX			
					WARNING ENTRY !!!!			
GF200	248688	N78301	Hs.48401	Hs.48401	[H.sapiens]		988.0594	1.14611795
GF202	491268	AA152312	Hs.72047	Hs.72047	ESTs		987.713	1.43325023
GF203	324386	W46769	Hs.27250	Hs.6975	histone deacetylase 3	HDAC3	987.6268	-1.8556392
					postmeiotic segregation increased 2-like 9			
GF200	814465	AA459266	Hs.1160	Hs.278563	Homo sapiens cDNA	PMS2L9	987.0038	1.33866128
					FLJ10482 fis, clone			
GF203	30580	R42182	Hs.124941	Hs.4997	NT2RP2000153, weakly similar to GAR2 PROTEIN		986.9797	1.0271624
GF202	277339	N34418	Hs.93779	Hs.93779	EST		986.5237	-1.0323043
					interferon (alpha, beta and omega) receptor 2	IFNAR2		
GF200	811044	AA485426	Hs.86958	Hs.86958	ESTs		986.3467	-1.0421857
GF203	127246	R08296	Hs.113188	Hs.191184	olfactory receptor, family 7, subfamily E, member 12		986.2922	-1.0449022
					pseudogene	OR7E12P		
GF204	1291972	AA707468	Hs.120017	Hs.120017	arachidonate 5-lipoxygenase-activating protein		986.0656	
GF201	67759	T49652	Hs.77359	Hs.100194		ALOX5AP	985.9077	

APPENDIX A

GF201	782439	AA431433	Hs.85539	Hs.85539	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit e	ATP5I	985.5396
GF201	431526	AA676234	Hs.12532	Hs.12532	Homo sapiens clone 23703 mRNA sequence		985.4669
GF202	730971	AA416585	Hs.97573	Hs.178098	DKFZP434A014 protein	DKFZP434A014	985.4308
GF202	257206	N26899	Hs.43871	Hs.43871	ESTs		985.1458
GF203	450713	AA704460	Hs.119822	Hs.187850	ESTs		985.1403
					Homo sapiens cDNA		
GF204	744983	AA625924	Hs.27410	Hs.27410	FLJ11188 fis, clone		984.8716
					PLACE1007544		
GF204	743774	AA634300	Hs.30299	Hs.30299	IGF-II mRNA-binding protein 2	IMP-2	984.7332
GF204	1292142	AA705796	Hs.119918	Hs.3232	cyllicin, basic protein of sperm head cytoskeleton 2	CYLC2	984.4761
GF204	882588	AA676612	Hs.129908	Hs.40342	putative nuclear protein	HRIHFB2122	984.3553
GF202	279936	N57535	Hs.109358	Hs.109358	KIAA0715 protein	KIAA0715	984.0721
					Ewing sarcoma breakpoint region 1		-1.0786292
GF200	135449	R32756	Hs.99969	Hs.129953	Human DNA sequence from clone 34B21 on chromosome 6p12.1-21.1. Contains part of a gene for a novel protein with ZU5 domain similar to part of Tight Junction Protein ZO1	EWSR1	983.9001
					(TJP1) and UNC5 Homologs, the gene for a novel BZRP (peripheral benzodiazapine recepto		
GF202	772477	AA405625	Hs.72003	Hs.183056	ESTs		983.7496
GF201	266777	N23112	Hs.43322	Hs.43322	ESTs		983.4711
GF201	415876	W86291	Hs.103221	Hs.121593	ESTs		983.1382
GF204	453753	AA776438	Hs.41862	Hs.41862	ESTs		983.0215
GF204	453030	AA779176	Hs.19523	Hs.19523	ESTs		982.9915
GF203	726558	AA398116	Hs.104667	Hs.129206	casein kinase 1, gamma 3	CSNK1G3	982.5469
GF202	1034860	AA621615	Hs.113000	Hs.139907	ESTs		982.4084
							-1.0014701
							1.05936508

APPENDIX A

GF200	49260	H16573	Hs.12840	Hs.12840	Homo sapiens germline mRNA sequence	982.3389	-1.2342232
GF204	265287	N20913	Hs.117964	Hs.117964	ESTs	982.2365	
GF202	34837	R43753	Hs.22985	Hs.22985	alpha2,8-sialyltransferase	981.4733	-1.5429457
GF203	824610	AA490999	Hs.99649	Hs.172156	ESTs	981.1499	-1.9949174
GF200	195875	R92216	Hs.19085	Hs.19085	ESTs, Weakly similar to putative p150 [H.sapiens]	981.0573	1.00168883
GF202	782331	AA432268	Hs.104910	Hs.104910	ESTs	980.7996	1.48563558
GF202	768464	AA495949	Hs.101033	Hs.101033	Pseudoautosomal GTP-binding protein-like	980.1711	-1.3534044
GF201	244012	N38787	Hs.108029	Hs.108029	ESTs	980.0949	
GF201	364436	AA022886	Hs.48586	Hs.109219	retinal degeneration B beta	980.0873	
GF202	795260	AA453996	Hs.99305	Hs.133998	ESTs	980.0611	1.04166961
GF204	745015	AA626026	Hs.116119	Hs.116119	ESTs	979.504	
GF204	32728	R43276	Hs.22573	Hs.22573	ESTs	979.3691	
GF204	1293010	AA683336	Hs.122617	Hs.189046	ESTs	979.363	
GF203	433289	AA699715	Hs.117331	Hs.117331	ESTs	979.2385	-1.4031357
GF200	128627	R16484	Hs.22000	Hs.190075	ESTs	979.2341	1.77970065
GF202	784282	AA447486	Hs.21509	Hs.21509	ESTs	978.9645	1.20622813
GF204	757225	AA426027	Hs.115106	Hs.12102	sorting nexin 3	978.927	
GF201	486984	AA043878	Hs.43559	Hs.6298	Homo sapiens mRNA for KIAA1151 protein, partial cds	978.8981	
GF204	1049335	AA620873	Hs.112916	Hs.112916	ESTs	978.8937	
GF202	42325	R61796	Hs.106735	Hs.74519	primase, polypeptide 2A	978.6385	-1.5775646
GF203	823887	AA490486	Hs.99836	Hs.99836	(58kD)	978.6066	-1.0189695
GF204	452818	AA704809	Hs.111002	Hs.1975	ESTs	978.3092	
GF201	268476	N25798	Hs.40173	Hs.40173	TAL1 (SCL) interrupting locus	978.2125	
					ESTs		
					small nuclear		
					ribonucleoprotein polypeptide		
GF200	74119	T55092	Hs.48375	Hs.250727	N	978.2079	-1.0910623
GF201	51216	H18471	Hs.26882	Hs.26882	ESTs	978.1561	
GF202	194314	H50654	Hs.113999	Hs.113999	ESTs	978.022	-1.840955
GF204	448535	AA777656	Hs.122555	Hs.122555	ESTs, Weakly similar to Y40B1B.7 [C.elegans]	977.9741	
GF204	470067	AA029063	Hs.61532	Hs.61532	ESTs	977.7877	

Westbrook et al.

APPENDIX A

GF204	1035546	AA780243	Hs.54647	Hs.54647	ESTs VAMP (vesicle-associated membrane protein)-associated protein A (33kD) ESTs ESTs EST, Weakly similar to Pro-Pol dUTPase polypeptide [M.musculus]	977.7073	
GF203	645956	AA196635	Hs.86081	Hs.9006	VAPA	977.696	1.48517989
GF204	1651048	AI022556	Hs.19340	Hs.19340		977.0813	
GF203	179193	H50128	Hs.101754	Hs.101754		976.7726	-2.8491258
GF202	282782	N50109	Hs.47022	Hs.47022		976.4222	-1.5436273
GF200	782339	AA432271	Hs.6061	Hs.6061	protein kinase, AMP-activated, beta 1 non-catalytic subunit ESTs, Weakly similar to !!! ALU SUBFAMILY SX WARNING ENTRY !!! [H.sapiens] KIAA0544 protein ESTs	976.3051	-1.3807272
GF202	625693	AA186460	Hs.85573	Hs.85573		975.9105	-1.6967903
GF201	782147	AA431193	Hs.32316	Hs.19280		975.6269	
GF204	462635	AA704990	Hs.120955	Hs.220882		975.604	
GF203	824920	AA489016	Hs.91216	Hs.91216	ESTs, Highly similar to partial CDS, human putative tumor suppressor [H.sapiens] ESTs	975.4524	1.18213392
GF203	813735	AA453795	Hs.9658	Hs.9658		975.357	-1.048579
GF200	347687	W81563	Hs.9837	Hs.274368	Homo sapiens mRNA; cDNA DKFZp586I1524 (from clone DKFZp586I1524)	975.3387	1.23763667
GF203	280602	N47388	Hs.23071	Hs.23071	ESTs	975.3287	1.11636942
GF200	823779	AA490267	Hs.77436	Hs.77436	pleckstrin	975.2655	-1.6123876
GF201	784257	AA446908	Hs.21611	Hs.21611	kinesin family member 3C	975.1279	
GF203	726782	AA398390	Hs.97620	Hs.97620	EST	974.988	-1.0859493
GF202	561918	AA085589	Hs.31919	Hs.169474	DKFZp586J0119 protein	974.9777	1.30142934
GF204	447400	AA702326	Hs.114112	Hs.230221	EST Human clone 23908 mRNA sequence ESTs	974.9509	
GF200	45921	H09540	Hs.90449	Hs.90449		974.8525	1.2005742
GF204	745286	AA625558	Hs.116060	Hs.143937		974.7563	
GF201	809729	AA455507	Hs.7743	Hs.226223	KIAA0618 gene product	974.2979	

102020"86226860

Westbrook et al.

Atty Docket No. 21726/92526

# APPENDIX A

GF202	743560	AA609439	Hs.101660	Hs.101660	ESTs	974.0197	1.98710671
GF200	206849	R98107	Hs.35822	Hs.144162	EST	973.9126	1.38869456
					ESTs, Weakly similar to !!!!		
					ALU SUBFAMILY SC		
					WARNING ENTRY !!!!		
GF202	81229	T57082	Hs.11712	Hs.11712	[H.sapiens]	973.8165	-1.0615864
GF200	296998	N70349	Hs.13776	Hs.13776	ADP-ribosyltransferase 4	973.7355	-1.1080144
					arginine glutamic acid		
GF203	364108	AA021188	Hs.26316	Hs.194369	dipeptide RE repeats	973.6062	1.05409962
					zinc finger protein homologous		
GF201	26505	R20639	Hs.4856	Hs.155968	to Zfp103 in mouse	973.6023	
GF200	35191	R24974	Hs.21719	Hs.118684	stromal cell-derived factor 2	973.6	1.36618885
GF200	35191	R24974	Hs.118684	Hs.118684	stromal cell-derived factor 2	973.6	1.36618885
GF202	415525	W80375	Hs.103208	Hs.83951	Hermansky-Pudlak syndrome	973.5017	-1.1404817
					tumor rejection antigen (gp96)		
GF200	897690	AA598758	Hs.82689	Hs.82689	1	973.4742	1.5105218
GF203	449044	AA777400	Hs.22826	Hs.22826	tropomodulin 3 (ubiquitous)	973.4202	-2.7111498
					corticotropin releasing		
GF200	34671	R45054	Hs.75294	Hs.75294	hormone	973.4136	1.16410911
GF200	427812	AA001614	Hs.89695	Hs.89695	insulin receptor	973.2741	-1.3851478
					ESTs, Highly similar to		
GF204	1033232	AA779609	Hs.122651	Hs.151584	dJ222E13.1a.1 [H.sapiens]	973.0996	
					phosphatidylinositol glycan,		
GF200	299154	W05406	Hs.62187	Hs.62187	class K	973.0318	1.085497
					signal recognition particle		
GF204	1602619	AA988798	Hs.1718	Hs.180394	14kD (homologous Alu RNA-	972.8568	
					binding protein)		
					ESTs, Weakly similar to ORF2		
					contains a reverse		
					transcriptase domain		
GF202	301068	N81025	Hs.62480	Hs.252673	[H.sapiens]	972.6967	-1.4611143
GF204	454702	AA677201	Hs.15387	Hs.15387	ESTs	972.3209	
GF201	418328	W90760	Hs.107954	Hs.271771	ESTs	972.186	
GF202	38676	R51504	Hs.6688	Hs.6688	ESTs	971.989	-1.5660728

## APPENDIX A

GF202	781474	AA432295	Hs.98675	ESTs		971.9477	1.67557502
GF203	486171	AA043131	Hs.21264	KIAA0782 protein	KIAA0782	971.8615	1.04779511
GF201	45531	H08541	Hs.21480	ESTs		971.7662	
GF200	359982	AA063521	Hs.79428	BCL2/adenovirus E1B 19kD-interacting protein 3	BNIP3	971.6487	1.04698136
GF200	201207	R99288	Hs.35152	ESTs		971.3927	1.32471724
GF200	196115	R92239	Hs.34526	G protein-coupled receptor	TYMSTR	971.088	-1.1110995
GF200	73531	T55639	Hs.9908	nitrogen fixation cluster-like	NIFU	970.929	-1.1557447
GF201	321834	W37112	Hs.50151	ESTs		970.843	
GF203	219847	H85133	Hs.114260	ESTs		970.3007	1.17241042
GF203	361379	AA017359	Hs.60556	ESTs		970.0166	-1.6287345
GF200	154138	R53421	Hs.27596	ESTs		969.4953	1.12653115
GF202	613173	AA179826	Hs.32058	ESTs		969.1376	1.36482164
GF201	428697	AA004353	Hs.15403	ESTs		969.0627	
GF201	810395	AA464198	Hs.88245	E1B-55kDa-associated protein 5	E1B-AP5	969.0212	
GF204	502199	AA133281	Hs.59637	ESTs, Weakly similar to zinc finger protein [H.sapiens]		968.2416	
GF200	788566	AA452966	Hs.80296	Purkinje cell protein 4	PCP4	968.0823	1.24664741
GF201	366484	AA026413	Hs.47140	GTP binding protein 1	GTPBP1	967.8887	
GF202	296889	N74247	Hs.118168	ESTs		967.8848	-1.4055242
GF201	40228	R53063	Hs.25991	ESTs		967.8134	
GF202	563634	AA101348	Hs.69469	dendritic cell protein	GA17	967.6696	1.0677535
GF202	293975	N64024	Hs.48913	EST		967.6022	-1.9836039
GF200	296010	N67041	Hs.49318	YDD19 protein	YDD19	967.3596	1.23738346
GF201	196325	R92446	Hs.34588	ESTs		967.2764	
GF201	202897	H54023	Hs.22405	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	LILRB2	966.9917	
GF204	41133	R58971	Hs.108815	ESTs		966.6259	
GF201	211227	H67680	Hs.100444	ESTs		966.4836	
GF204	22194	T66310	Hs.12923	ESTs		966.3984	
GF204	50541	H18063	Hs.13254	ESTs		966.3556	
GF201	525926	AA074511	Hs.82109	syndecan 1	SDC1	966.3057	
GF203	1033708	AA780079	Hs.122566	crystallin, gamma A	CRYGA	965.4646	-1.6894286

## APPENDIX A

GF201	325544	AA284265	Hs.56002	Hs.25615	YDD19 protein protein phosphatase 3 (formerly 2B), regulatory subunit B (19kD), alpha isoform (calcineurin B, type I) acrosomal vesicle protein 1 ESTs ESTs ESTs ESTs ESTs CD79B antigen (immunoglobulin-associated beta) nebulette ESTs, Highly similar to PROTEIN-TYROSINE PHOSPHATASE DELTA PRECURSOR [H.sapiens] transforming growth factor beta-activated kinase-binding protein 1 ESTs EST sialidase 1 (lysosomal sialidase) ESTs ESTs ESTs, Weakly similar to ORF YOR126c [S.cerevisiae] ESTs pyruvate kinase, muscle ESTs DEAD/H (Asp-Glu-Ala- Asp/His) box polypeptide 17 (72kD)	YDD19	965.1506
GF200	363146	AA018907	Hs.5427	Hs.278540			-1.1979206
GF203	1344137	AA732783	Hs.73831	Hs.169222			-1.9921429
GF204	471826	AA035639	Hs.78521	Hs.78521		PP3R1	964.1181
GF202	243453	N33603	Hs.114417	Hs.269071		ACRV1	964.0628
GF201	303180	N92764	Hs.64753	Hs.64753			963.9969
GF202	594226	AA169535	Hs.72814	Hs.99027			963.6516
GF201	288941	N62704	Hs.48610	Hs.48610			963.5464
							963.4499
GF201	155717	R72079	Hs.89575	Hs.89575		CD79B	963.3762
GF201	308466	N95495	Hs.106758	Hs.5025		NEBL	963.2962
GF203	278457	N66120	Hs.118146	Hs.187538			963.1228
GF201	857874	AA679208	Hs.31472	Hs.31472		TAB1	963.0413
GF201	416154	W85927	Hs.108004	Hs.268877			962.8832
GF203	1240414	AA788780	Hs.122365	Hs.122365			962.5311
GF201	725176	AA401883	Hs.118721	Hs.118721		NEU1	962.4096
GF200	243113	H94332	Hs.41974	Hs.41974			962.1811
GF201	134011	R31262	Hs.24393	Hs.107708			961.8638
GF203	269231	N24722	Hs.52438	Hs.52438			960.8936
GF202	509718	AA058314	Hs.63428	Hs.63428		PKM2	960.8925
GF202	562712	AA086397	Hs.68750	Hs.198281			960.8304
GF203	435168	AA705696	Hs.14529	Hs.14529			960.446
GF200	843312	AA489555	Hs.77101	Hs.6179		DDX17	960.3315
							-2.4298859

Westbrook et al.

APPENDIX A

GF202	593690	AA166695	Hs.72622	Hs.270737	tumor necrosis factor (ligand) superfamily, member 13b	TNFSF13B	960.1844	-2.0163861
GF204	23427	R38099	Hs.118947	Hs.118947	ESTs		960.1243	
GF203	725109	AA404666	Hs.110280	Hs.278579	growth arrest and DNA-damage-inducible, beta	GADD45B	959.8997	-1.2989571
GF203	530403	AA112149	Hs.17625	Hs.17625	ESTs		959.7455	1.52267515
GF203	788641	AA449832	Hs.125154	Hs.40368	adaptor-related protein complex 1, sigma 2 subunit	SIGMA1B	959.387	1.16384317
GF203	754040	AA479060	Hs.29467	Hs.29467	ESTs		959.2706	1.18119405
Homo sapiens chromosome X map Xp11.23 L-type calcium channel alpha-1 subunit (CACNA1F) gene, complete cds; HSP27 pseudogene, complete sequence; and JM1 protein, JM2 protein, and Hb2E genes, complete cds								
GF203	362378	AA018437	Hs.108602	Hs.227583	reticulon 2	RTN2	959.2072	1.0334025
GF202	44287	H06249	Hs.3803	Hs.3803	ESTs		959.0765	-1.281769
GF203	824769	AA489061	Hs.48996	Hs.48996	ESTs		958.8171	1.12284414
Homo sapiens cDNA FLJ11211 fis, clone PLACE1007955, highly similar to Homo sapiens cyclin-D binding Myb-like protein								
GF201	325015	W48838	Hs.74934	Hs.5671	mRNA		958.7996	
GF202	784162	AA432100	Hs.80624	Hs.80624	ESTs		958.4943	-1.305699
GF203	133358	R26859	Hs.24122	Hs.24122	ESTs		958.3198	-1.8309639
GF204	884660	AA629902	Hs.116749	Hs.190315	ESTs		958.2889	
GF202	67741	T49635	Hs.109755	Hs.18368	DKFZP564B0769 protein	DKFZP564B0769	958.1275	-1.0982996
ESTs, Weakly similar to !!!								
ALU SUBFAMILY J								
WARNING ENTRY !!!!								
[H.sapiens]								
GF201	272063	N32155	Hs.100513	Hs.143805			957.9975	



APPENDIX A

GF203	165828	R86847	Hs.95231	Hs.95231	ESTs, Highly similar to FH1/FH2 domain-containing protein FHOS [H.sapiens]	957.8447	-1.6371584
GF200	510542	AA055862	Hs.63225	Hs.143131	glycoprotein A33 (transmembrane)	957.7138	1.76395778
GF201	770595	AA434161	Hs.111713	Hs.186571	Homo sapiens cDNA FLJ10700 fis, clone NT2RP3000665	957.4924	
GF202	129020	R10823	Hs.6649	Hs.6649	Homo sapiens cDNA FLJ20128 fis, clone COL06181	957.4422	1.09571873
GF203	815126	AA481492	Hs.33074	Hs.33074	ESTs	957.2621	-1.5203678
GF200	139957	R64048	Hs.28472	Hs.28472	Homo sapiens cDNA FLJ11181 fis, clone PLACE1007460	956.897	-1.0075214
GF202	306243	N90583	Hs.54635	Hs.54635	ESTs	956.8489	1.10560457
GF204	744897	AA625784	Hs.124895	Hs.124895	ESTs	956.2076	
GF201	417561	W89071	Hs.90914	Hs.273433	Homo sapiens cDNA FLJ20444 fis, clone KAT05128	956.1443	
GF203	845496	AA644215	Hs.21753	Hs.21753	JM5 protein	956.0256	-1.0527335
GF201	145383	R77919	Hs.77091	Hs.77091	deoxyribonuclease I-like 1	955.9553	
GF203	28278	R37377	Hs.21358	Hs.21358	EST	955.9549	-1.13735
GF201	502396	AA156946	Hs.101978	Hs.4055	core promoter element binding protein	955.8019	
GF202	346403	W74261	Hs.110030	Hs.249183	COPEB	955.6402	-1.6319651
GF200	201383	R98624	Hs.93054	Hs.93054	ESTs	955.4178	1.06780646
GF201	436554	AA703058	Hs.1817	Hs.1817	myeloperoxidase	955.2696	
GF204	1601661	AA987754	Hs.21495	Hs.21495	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	955.2052	
GF203	700571	AA283949	Hs.65993	Hs.65993	CDC14 (cell division cycle 14, S. cerevisiae) homolog A	955.0679	1.30282249

GPA33

JM5

DNASE1L1

COPEB

MPO

B3GALT4

CDC14A

APPENDIX A

GF202	531459	AA074079	Hs.106845	ESTs, Weakly similar to !!!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens]	954.9617	1.23720696
GF201	40038	R53446	Hs.26039	ESTs	954.9447	
GF200	628529	AA192553	Hs.101337	ESTs, Highly similar to RGC-32 [R.norvegicus]	953.3264	-1.1470694
GF203	811062	AA485441	Hs.7842	CGI-69 protein	952.9761	-1.0108864
GF200	200934	R99773	Hs.14148	ESTs	952.8165	1.00923255
GF203	433544	AA700647	Hs.102096	ESTs, Highly similar to LECT2 precursor [H.sapiens]	952.7789	1.2787771
GF201	417566	W88541	Hs.41361	KIAA0781 protein	952.6804	
GF201	769857	AA430367	Hs.84152	cystathionine-beta-synthase	952.5549	
GF204	1584243	AA973337	Hs.123654	KIAA0824 protein	952.0255	
GF202	795339	AA453256	Hs.99308	ESTs	951.7038	1.36833124
GF200	134256	R31107	Hs.24383	ESTs	950.8245	1.81795751
GF203	451397	AA707171	Hs.114154	ESTs	950.799	-1.343356
GF202	795248	AA453990	Hs.99248	ESTs	950.7783	-1.0459055
GF200	796137	AA460981	Hs.77335	golgi autoantigen, golgin subfamily a, 4	950.4673	1.23614434
GF203	303068	N91588	Hs.9961	ESTs	949.9628	1.46513098
GF202	429678	AA011593	Hs.60532	ferroportin 1; iron regulated gene 1	949.772	1.00476287
GF203	208985	H60696	Hs.37858	ESTs, Weakly similar to !!!! ALU CLASS B WARNING ENTRY !!!! [H.sapiens]	949.0683	-2.112634
GF202	773556	AA428182	Hs.100478	RAB, member of RAS	948.9122	-1.5656016
GF202	277634	N49392	Hs.46941	oncogene family-like 2B EST	948.7075	1.32955398
GF203	1240561	AA781027	Hs.55289	ESTs, Weakly similar to 110 KD CELL MEMBRANE	948.6537	-1.423482
GF200	511521	AA126356	Hs.79933	GLYCOPROTEIN [H.sapiens]	948.3896	1.51060882
GF200	511521	AA126356	Hs.75076	calnexin	948.3896	1.51060882
				calnexin		

APPENDIX A

GF204	898089	AA598799	Hs.71109	Hs.71109	Homo sapiens mRNA for KIAA1229 protein, partial cds	948.3673	
GF202	262763	H99490	Hs.42696	Hs.42696	ESTs	948.269	1.2801176
GF201	196579	R91689	Hs.101911	Hs.107845	ESTs	948.1371	
GF200	771206	AA443510	Hs.74598	Hs.74598	polymerase (DNA directed), delta 2, regulatory subunit (50kD)	947.8011	1.24837677
GF201	357892	W99328	Hs.110945	Hs.110945	ESTs, Weakly similar to notch4 [H.sapiens]	947.7194	
GF201	276515	N39099	Hs.44944	Hs.44944	ESTs	947.6268	
GF203	811738	AA463256	Hs.99588	Hs.165538	ESTs	947.3577	1.13364492
GF203	814702	AA481069	Hs.111247	Hs.237825	signal recognition particle		
GF201	277747	N46096	Hs.46580	Hs.46580	72kD	947.2816	-1.8379762
GF202	48454	H15040	Hs.21286	Hs.21286	ESTs	947.2167	
GF202	53122	R15891	Hs.12581	Hs.12581	ESTs	947.1924	-1.3657394
GF204	1049147	AA620987	Hs.120872	Hs.190268	Human (clone CTG-A4) mRNA sequence	947.0093	-2.9177939
GF202	1031748	AA609599	Hs.112730	Hs.178749	ESTs	946.961	
GF200	210575	H65066	Hs.2288	Hs.2288	synovial sarcoma, X breakpoint 3	946.9065	-1.2452887
GF202	45999	H09317	Hs.30917	Hs.30917	visinin-like 1	946.7362	1.08928737
GF202	730872	AA417026	Hs.98187	Hs.98187	EST	946.5275	-1.3982919
GF202	418356	W92775	Hs.59368	Hs.59368	ESTs	946.4222	1.21497865
GF200	360079	AA013336	Hs.76228	Hs.76228	ESTs	946.351	1.1047017
					amplified in osteosarcoma	945.9356	1.16861668
GF204	378516	AA775685	Hs.15502	Hs.15502	ESTs, Weakly similar to YCR024c, len:492		
GF204	1505294	AA905838	Hs.112629	Hs.8154	[S.cerevisiae] ESTs	945.2962	
GF200	183337	H42679	Hs.77522	Hs.77522	major histocompatibility complex, class II, DM alpha fusion, derived from t(12;16)	945.2659	
GF202	365348	AA025166	Hs.61256	Hs.99969	malignant liposarcoma	945.0752	1.0565445
GF204	1461651	AA885316	Hs.125637	Hs.156992	ESTs	944.7559	1.13749485
GF200	795888	AA460756	Hs.76272	Hs.76272	retinoblastoma-binding protein	944.3226	
					2	944.0655	1.19692865
					RBBP2		

Westbrook et al.

## APPENDIX A

GF202	773579	AA428242	Hs.98545	Hs.184175	chromosome 2 open reading frame 3	C2ORF3	943.7964	-1.3002591
GF202	299459	N76133	Hs.50708	Hs.227752	ESTs		943.7921	1.47545565
GF202	842840	AA486277	Hs.104034	Hs.271924	ESTs		943.735	1.16531707
GF203	191950	H38572	Hs.117815	Hs.117815	ESTs		943.631	1.16733752
GF200	39127	R51580	Hs.50130	Hs.50130	necdin (mouse) homolog	NDN	943.6165	1.0113984
GF201	289919	N59335	Hs.107902	Hs.34956	ESTs		943.5456	
GF203	454333	AA677254	Hs.52002	Hs.52002	CD5 antigen-like (scavenger receptor cysteine rich family)	CD5L	943.5132	-1.0083277
GF201	795499	AA454215	Hs.6515	Hs.169829	Homo sapiens clone 23631		943.3623	
GF200	143443	R76436	Hs.2001	Hs.2001	mRNA sequence thromboxane A synthase 1 (platelet, cytochrome P450, subfamily V)	TBXAS1	942.7206	1.14771117
GF201	809876	AA455126	Hs.89399	Hs.89399	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 2	ATP5G2	942.7011	
GF201	273540	N36929	Hs.53929	Hs.53929	ESTs, Weakly similar to !!! ALU CLASS B WARNING		942.6214	-1.3829416
GF202	298098	N69041	Hs.82853	Hs.27258	ENTRY !!! [H.sapiens] calcyclin binding protein	CACYBP	942.4845	-2.1144999
GF203	219711	H84245	Hs.40608	Hs.40608	ESTs		942.442	
GF201	731433	AA412217	Hs.13692	Hs.13692	ESTs, Highly similar to PROTEIN TSG24 [M.musculus]		942.4026	
GF201	845519	AA644234	Hs.110400	Hs.155433	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	ATP5C1	942.3358	
GF202	627248	AA191479	Hs.69564	Hs.184668	ESTs, Highly similar to hypothetical protein SBBI31 [H.sapiens]		942.3303	1.06942092

Westbrook et al.

APPENDIX A

GF203	648011	AA207127	Hs.4815	Hs.240615	Human DNA sequence from clone RP3-460J8 on chromosome 20q11.21-11.23 Contains part of a gene similar to NDRG1 (N-myc downstream regulated), ESTs, STSs and GSSs ESTs Human DNA sequence from clone 718J7 on chromosome 20q13.31-13.33. Contains part of a gene for a novel protein, the PCK1 gene for soluble phosphoenolpyruvate carboxykinase 1, ESTs, an STS, GSSs and a putative CpG island ESTs thyroid hormone receptor-associated protein, 95-kD subunit tropomyosin 1 (alpha) Lsm1 protein ESTs, Weakly similar to ASPARTOACYLASE [H.sapiens] ESTs	942.258 941.8475	1.28056451
GF201	489476	AA045673	Hs.107631	Hs.182299			
GF202	841141	AA487031	Hs.70732	Hs.83883	TRAP95 TPM1 LSM1	941.5737 941.5695	1.51486227 1.07336266
GF200	121543	T97809	Hs.18140	Hs.18140			
GF201	782146	AA431181	Hs.24441	Hs.31659	PRP4/STKWD splicing factor casein kinase 1, alpha 1 Homo sapiens cDNA FLJ20062 fis, clone COL01508	941.4359 941.1425 940.849	1.06650946
GF203	823932	AA490210	Hs.23271	Hs.77899			
GF201	1032796	AA628430	Hs.111783	Hs.111783	HPRP4P CSNK1A1	940.7374 940.4202	-2.2715943 -1.1924508
GF203	129128	R10885	Hs.126265	Hs.126265			
GF202	565025	AA126456	Hs.126754	Hs.126754	HPRP4P CSNK1A1	940.306 940.2986	1.38823369
GF203	436155	AA703250	Hs.8551	Hs.8551			
GF201	745402	AA625758	Hs.52195	Hs.144477	DEK oncogene (DNA binding) KIAA0414 protein	940.2767	-1.4361704 2.21426786
GF201	76196	T59668	Hs.10613	Hs.257486			
GF202	133136	R25377	Hs.84874	Hs.110713	DEK KIAA0414 protein	940.1917 940.1871	-1.4361704 2.21426786
GF203	814976	AA465708	Hs.127649	Hs.127649			

APPENDIX A

GF201	51218	H18472	Hs.15386	Hs.15386	ESTs	940.1333
GF201	365813	AA025601	Hs.61250	Hs.61250	ESTs	939.9133
GF202	1031736	AA609594	Hs.112729	Hs.112729	ESTs	939.6873
					EST, Weakly similar to	-2.4450559
GF204	815263	AA481536	Hs.105180	Hs.105180	putative p150 [H.sapiens]	
GF201	289714	N62952	Hs.46473	Hs.46473	ESTs	939.5384
					SRY (sex determining region	
GF203	878129	AA775423	Hs.124906	Hs.157429	Y)-box 3	939.1745
GF201	280671	N50454	Hs.47063	Hs.269479	ESTs	939.1094
GF202	796303	AA461307	Hs.69662	Hs.69662	ESTs	938.7606
					Homo sapiens clone 23904	
GF203	151055	H02231	Hs.124277	Hs.250175	mRNA sequence	938.7245
GF202	284269	N52189	Hs.47425	Hs.186573	EST	938.5656
GF203	413047	AA707858	Hs.120982	Hs.221597	ESTs	938.1075
					chromatin-specific	
					transcription elongation factor,	
GF202	842992	AA488340	Hs.115764	Hs.14963	140 kDa subunit	938.0054
					ESTs, Weakly similar to cAMP	-1.2450377
					inducible 2 protein	
GF202	796527	AA460258	Hs.21893	Hs.21893	[M.musculus]	937.979
GF200	340745	W56582	Hs.25144	Hs.25144	ESTs	937.8267
GF203	431276	AA682558	Hs.117265	Hs.180037	ESTs	937.7689
					ESTs, Weakly similar to	
					Similarity to B.subtilis YQJC	
GF200	244684	N54296	Hs.94949	Hs.94949	protein [C.elegans]	937.7164
GF202	283590	N52857	Hs.47558	Hs.47558	ESTs	937.7057
GF204	491447	AA115575	Hs.114914	Hs.114914	ESTs	937.6871
GF202	588960	AA143070	Hs.71749	Hs.126485	ESTs	937.4497
GF202	842915	AA486440	Hs.77207	Hs.182482	ESTs	937.2911
					Homo sapiens mRNA for	
GF200	130916	R22340	Hs.51262	Hs.267690	KIAA1228 protein, partial cds	937.2119
GF203	811729	AA463263	Hs.83293	Hs.83293	hypothetical protein	937.0004
					ESTs, Weakly similar to !!!!	
					ALU SUBFAMILY J	
					WARNING ENTRY !!!!	
GF204	49266	H16595	Hs.97346	Hs.201589	[H.sapiens]	936.899
					DKFZP434A0225	

APPENDIX A

GF201	490819	AA122287	Hs.32864	Hs.151641	glycoprotein A repetitions predominant	GARP	936.7129	
GF203	486076	AA040879	Hs.5091	Hs.252682	torsin family 1, member B (torsin B)	TOR1B	936.6866	1.08884381
GF202	731423	AA412429	Hs.48642	Hs.48642	ESTs		936.6625	-1.0873434
					Homo sapiens cDNA FLJ10727 fis, clone NT2RP3001221, weakly similar to GAMMA-BUTYROBETAINE,2-OXOGLUTARATE DIOXYGENASE (EC 1.14.11.1)			
GF202	586831	AA130866	Hs.103816	Hs.103816	monoamine oxidase A	MAOA	936.6274	1.29785028
GF201	359661	AA011096	Hs.1782	Hs.183109	Human DNA sequence from clone 321D2 on chromosome 16. Contains a gene for a Ribosomal Large Subunit Pseudouridine Synthase (EC 4.2.1.70, Pseudouridylylate Synthase, Uracil Hydrolase) LIKE protein, a gene for a novel protein similar to replication factors, p		936.4344	-2.2645665
GF202	51604	H18934	Hs.101742	Hs.101742	ESTs		936.3155	
GF201	289437	N59226	Hs.46826	Hs.46826	ESTs, Weakly similar to CCAAT transcription binding factor, gamma subunit [H.sapiens]			
GF202	743353	AA400317	Hs.19980	Hs.19980	ESTs		936.0497	-1.566638
GF204	278075	N63490	Hs.48791	Hs.269111	ESTs		935.9977	
GF201	208986	H60691	Hs.108210	Hs.91192	ESTs, Weakly similar to sertolin [R.norvegicus]		935.8969	-1.1727449
GF203	824886	AA488889	Hs.32425	Hs.32425	ESTs		935.8881	1.30212371
GF203	648025	AA206915	Hs.86316	Hs.269293	ESTs		935.8494	

## APPENDIX A

Homo sapiens mRNA; cDNA									
GF202	594031	AA169444	Hs.42595		Hs.34348			935.6011	1.04178115
GF201	50037	H17785	Hs.26135		Hs.26135			935.5958	
GF203	276972	N39233	Hs.44976		Hs.44976			935.391	1.97637602
zinc finger protein 131 (clone pHZ-10)									
GF202	785572	AA449429	Hs.111379		Hs.78743	ZNF131		935.3683	1.66728899
GF202	127931	R08938	Hs.112313		Hs.185682	ESTs		935.1719	1.06821004
secreted protein, acidic, cysteine-rich (osteonectin)									
GF201	250654	H95960	Hs.111779		Hs.111779	SPARC		934.8628	
ESTs, Moderately similar to CGI-18 protein [H.sapiens]									
GF203	396857	AA758257	Hs.121599		Hs.268112			934.8353	-2.3836006
GF200	205090	H57941	Hs.101359		Hs.101359	KIAA0386		934.3566	-1.2268635
GF203	137245	R36160	Hs.25037		Hs.25037	STAG1		934.3305	1.99497994
ESTs, Weakly similar to protein Htf9C [M.musculus]									
GF200	200302	R96880	Hs.63609		Hs.63609			934.249	-1.258011
GF204	970532	AA776677	Hs.124737		Hs.197114	SRM300		934.1305	
Homo sapiens cDNA FLJ10835 fis, clone NT2RP4001210									
GF203	281960	N51083	Hs.27021		Hs.27021			933.9692	-1.1160697
Homo sapiens cDNA FLJ20104 fis, clone COL04806									
GF202	731270	AA416684	Hs.57770		Hs.172572			933.9025	-1.0575541
tryptophanyl-tRNA synthetase									
GF204	502198	AA133278	Hs.12112		Hs.82030	WARS		933.5516	
GF203	159462	H15910	Hs.64098		Hs.148101	MSE55		933.5164	-1.6666354
signal recognition particle 9kD									
GF203	32257	R43360	Hs.75975		Hs.75975	SRP9		933.4861	1.36759281
GF201	289421	N63953	Hs.31991		Hs.243662	ESTs		933.3127	
GF203	857442	AA782380	Hs.130762		Hs.193580	ESTs		933.2221	-1.1784322
Homo sapiens cDNA FLJ11004 fis, clone PLACE1002941									
GF204	757421	AA437219	Hs.125139		Hs.125139			933.0991	
A kinase (PRKA) anchor protein 2									
GF203	262695	H99415	Hs.42322		Hs.42322	AKAP2		933.0158	-1.6407943



APPENDIX A

GF201	204740	H57306	Hs.96310	Hs.173611	NADH dehydrogenase (ubiquinone) Fe-S protein 2 (49kD) (NADH-coenzyme Q reductase)	932.9839
GF201	258666	N30069	Hs.44147	Hs.195161	NDUFS2 ESTs	932.9599
GF200	125092	R05336	Hs.573	Hs.159481	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide N-acetylgalactosaminyltransferase (GalNAc-T)	932.6135 1.45284688
GF202	357465	W93861	Hs.59506	Hs.59506	ESTs, Highly similar to terra [M.musculus]	932.5876 -1.3256532
GF201	364352	AA022496	Hs.33533	Hs.33533	ESTs member of MYST family	932.4426
GF203	824647	AA491297	Hs.22767	Hs.42343	histone acetyl transferases, homolog of Drosophila MOF	932.345 -1.5139649
GF203	196569	R91583	Hs.113922	Hs.53031	ESTs Human EST clone 251800	932.1987 -1.3275153
GF201	291247	N72213	Hs.42192	Hs.42192	mariner transposon Hsmar1 sequence	931.9929
GF202	796756	AA460720	Hs.13275	Hs.264915	ESTs, Weakly similar to K01H12.1 [C.elegans]	931.975 -1.0688623
GF204	1623128	AA933513	Hs.85505	Hs.85505	ESTs, Weakly similar to ZINC FINGER PROTEIN 177 [H.sapiens]	931.7167
GF203	788309	AA450020	Hs.7943	Hs.7943	RPB5-mediated protein superkiller viralicidic activity 2	931.5097 -1.320812
GF201	179776	H51554	Hs.89864	Hs.89864	(S. cerevisiae homolog)-like SKIV2L	931.3249
GF202	1049131	AA620973	Hs.112929	Hs.112929	ESTs	930.9913 1.25996075
GF204	430623	AA678078	Hs.119351	Hs.272056	ESTs G protein-coupled receptor 37 (endothelin receptor type B-like)	930.9566
GF200	41658	R52852	Hs.27747	Hs.27747	GPR37	930.7791 1.01738552

APPENDIX A

GF200	783696	AA446819	Hs.75485	ornithine aminotransferase (gyrate atrophy)	OAT	930.7784	-1.2251591
GF201	796759	AA460728	Hs.7381	voltage-dependent anion channel 3	VDAC3	929.7402	
GF201	366541	AA026626	Hs.2596	chymotrypsin-like protease	CTRL	929.7286	
GF204	1240057	AA706671	Hs.122212	ESTs		929.3354	
GF202	511060	AA100293	Hs.110737	ESTs		929.0149	-1.9519913
GF201	200151	R97798	Hs.107988	ESTs		928.9685	
GF201	113193	T83864	Hs.15051	ESTs		928.8195	
GF201	789314	AA451684	Hs.1799	CD1D antigen, d polypeptide	CD1D	928.6509	
GF200	199641	R96525	Hs.33433	ESTs		928.0731	-1.3756185
				Homo sapiens mRNA; cDNA DKFZp564E2282 (from clone DKFZp564E2282)		927.7756	
GF201	278053	N63478	Hs.82721	Human clone 23722 mRNA sequence		927.2769	-1.0661982
GF200	248039	N73130	Hs.81360	transcription factor 6-like 1 (mitochondrial transcription factor 1-like)	TCF6L1	927.2014	
GF201	504826	AA150777	Hs.95863	proteasome (prosome, macropain) subunit, alpha type, 4	PSMA4	927.0949	-1.2217406
GF200	120881	T96083	Hs.85513	neutrophil cytosolic factor 4 (40kD)	NCF4	927.0321	-1.290084
GF203	814123	AA465389	Hs.2870	EST		926.8788	
GF204	1055721	AA628129	Hs.116199	ESTs		926.7173	
GF201	191538	H38159	Hs.107686	ESTs		926.3412	
GF204	825218	AA504125	Hs.109154	vav 3 oncogene	VAV3	926.0588	
GF201	415229	W91879	Hs.37331	ADP-ribosylation factor-related protein 1	ARFRP1	926.0092	
GF201	884641	AA629904	Hs.64904	KIAA0871 protein	KIAA0871	925.9354	1.23943109
GF203	753361	AA410256	Hs.40850	ESTs		925.8096	
GF204	436047	AA700022	Hs.117363	KIAA0521 protein	KIAA0521	925.7298	
GF201	809587	AA456630	Hs.6150	DKFZP58611023 protein	DKFZP58611023	925.6164	-1.2843387
GF203	76252	T59873	Hs.105198				

APPENDIX A

ESTs, Weakly similar to alternatively spliced product using exon 13A [H.sapiens]							
GF202	272018	N35341	Hs.34567	Hs.86032		925.4647	-1.4220933
GF202	729948	AA399640	Hs.97694	Hs.97694		925.4006	-1.6707818
GF203	703544	AA278849	Hs.88522	Hs.191537		924.7623	1.13838503
GF203	200396	R97220	Hs.35699	Hs.35699		924.4003	1.36133289
GF201	505335	AA155671	Hs.26918	Hs.134015	UST	924.302	
GF202	358046	W94591	Hs.59554	Hs.59554		924.2508	1.15970167
GF201	276920	N39449	Hs.45009	Hs.269066		924.2208	
GF201	809685	AA454699	Hs.8309	Hs.8309	KIAA0747 protein	924.2171	KIAA0747
GF202	129868	R19152	Hs.119690	Hs.268682		924.2072	1.25426614
GF203	826273	AA520999	Hs.86576	Hs.30464	cyclin E2	924.0782	CCNE2
GF201	46506	H09143	Hs.30901	Hs.30901		924.0564	
GF204	1468456	AA884157	Hs.125554	Hs.125554		924.0541	
GF200	753610	AA478589	Hs.100455	Hs.169401	apolipoprotein E	923.9736	1.07840849
GF203	754532	AA436219	Hs.54957	Hs.54957		923.8232	-1.2492212
GF204	232955	H74017	Hs.37464	Hs.37464		923.7263	
GF202	276450	N34824	Hs.44628	Hs.44628		923.6932	-1.1631394
GF202	282161	N48271	Hs.46839	Hs.46839		923.5175	-1.3341772
GF202	565734	AA135809	Hs.48480	Hs.48480		923.4592	-1.1725214
GF202	757430	AA437213	Hs.98942	Hs.98942		923.4568	-1.4882764
Homo sapiens J domain containing protein 1 isoform a							
GF200	120138	T95268	Hs.16940	Hs.260720	(JDP1) mRNA, complete cds	923.17	1.29774083
GF202	376164	AA040591	Hs.62003	Hs.62003	EST	923.0235	1.67367185
GF201	267135	N24869	Hs.16127	Hs.234058		922.872	
GF201	49922	H28985	Hs.31330	Hs.31330	ESTs	922.6026	
GF203	703736	AA278766	Hs.88495	Hs.88495	ESTs	922.6014	1.19038284
GF204	134658	R28188	Hs.107102	Hs.107102	ESTs	921.8242	
GF201	197374	R87122	Hs.34100	Hs.77899	tropomyosin 1 (alpha)	921.6995	TPM1
GF201	299332	N75569	Hs.25680	Hs.193914	KIAA0575 gene product	921.6864	KIAA0575
GF203	434799	AA701893	Hs.114076	Hs.114076	ESTs	921.421	-1.0358566
ras homolog gene family, member I							
GF202	345680	W72033	Hs.58153	Hs.194695	ARHI	921.2732	1.08946999

102020" 86226860

## APPENDIX A

Homo sapiens mRNA; cDNA					
GF203	451753	AA706788	Hs.46531	921.1981	-2.2813747
GF202	377535	AA055936	Hs.63182	920.8297	-1.3468077
GF201	46930	H10028	Hs.13306	920.6897	
GF203	42660	R61231	Hs.21820	920.6068	-2.4843082
ESTs, Moderately similar to					
GF204	1049174	AA620672	Hs.54676	920.5387	
GF204	471729	AA035452	Hs.78457	920.4799	
SPLICING FACTOR U2AF 65					
KD SUBUNIT [H.sapiens]					
GF201	269292	N26665	Hs.43834	920.1099	
GF204	460460	AA677671	Hs.119463	920.0845	
GF201	246228	N59387	Hs.107537	920.0671	
Homo sapiens immunoglobulin					
lambda gene locus DNA,					
clone:288A10					
GF201	269292	N26665	Hs.43834	920.1099	
GF204	460460	AA677671	Hs.119463	920.0845	
GF201	246228	N59387	Hs.107537	920.0671	
ceroid-lipofuscinosis, neuronal					
2, late infantile (Jansky-					
Bielschowsky disease)					
GF201	855385	AA664004	Hs.20478	919.9587	
GF204	1476048	AA873049	Hs.105738	919.4584	
GF203	786283	AA451851	Hs.169833	919.0981	-1.5384789
single-stranded-DNA-binding					
protein					
GF204	1636908	A1000271	Hs.111076	918.7006	
GF204	1472329	AA873505	Hs.126245	918.6111	
GF204	1416099	AA878235	Hs.22123	918.3778	
GF203	450330	AA703609	Hs.38865	918.0397	2.20010056
GF203	33827	R44741	Hs.51066	917.8566	1.58692522
GF202	416557	W86992	Hs.58966	917.4951	1.10005652
GF204	1055705	AA628112	Hs.26286	917.4703	
GF202	1048617	AA608883	Hs.112609	917.3619	-2.3840259
GF203	450410	AA682780	Hs.118393	917.3046	-2.0965588
GF203	277357	N57499	Hs.31685	917.2279	-1.0734549
enoyl-Coenzyme A,					
hydratase/3-hydroxyacyl					
Coenzyme A dehydrogenase					
GF200	124597	R02373	Hs.1531	916.9465	1.24822922
EHHADH					

APPENDIX A

GF201	415473	W80447	Hs.58452	Hs.58452	ESTs		916.8692
GF200	824547	AA490920	Hs.3076	Hs.3076	MHC class II transactivator	MHC2TA	916.7943
GF202	50227	H16772	Hs.31444	Hs.31444	ESTs		916.7319
GF203	785521	AA450338	Hs.44743	Hs.44743	Homo sapiens mRNA for KIAA1435 protein, partial cds		916.6954
GF201	109952	T88816	Hs.15479	Hs.271996	ESTs		916.5612
GF203	251727	H97851	Hs.24723	Hs.24723	ESTs		916.3771
GF201	210803	H67707	Hs.38486	Hs.271641	ESTs		916.0627
GF201	263906	H99851	Hs.108841	Hs.10490	ESTs		915.957
GF204	745242	AA626157	Hs.116130	Hs.116130	EST		915.6623
GF203	682072	AA256464	Hs.61456	Hs.61661	ESTs, Weakly similar to DY3.6 [C.elegans]		915.6066
GF202	262060	H99075	Hs.108488	Hs.102267	lysyl oxidase	LOX	915.5749
GF202	214233	H77641	Hs.39787	Hs.208288	EST		915.2719
					Homo sapiens cDNA FLJ10982 fis, clone PLACE1001692, moderately similar to S-ACYL FATTY ACID SYNTHASE		-2.248535
					THIOESTERASE, MEDIUM CHAIN (EC 3.1.2.14)		1.06085428
GF201	730353	AA470066	Hs.24309	Hs.24309	CHAIN (EC 3.1.2.14)		-1.1230343
GF201	345416	W72466	Hs.39542	Hs.39542	ESTs		
GF201	41793	R59200	Hs.12387	Hs.12387	ESTs		
GF203	137369	R38214	Hs.124949	Hs.13999	KIAA0700 protein	KIAA0700	-1.8606117
					Homo sapiens cDNA FLJ20284 fis, clone HEP04227		
GF202	1055520	AA620802	Hs.112908	Hs.191228	hexokinase 1	HK1	915.2296
GF200	840158	AA485271	Hs.3283	Hs.118625	paired immunoglobulin-like receptor beta		914.9966
GF201	429044	AA007560	Hs.58529	Hs.138661	CUG triplet repeat, RNA-binding protein 2	PILR(BETA)	914.8652
GF203	1371759	AA856739	Hs.82321	Hs.211610		CUGBP2	914.8303
							-1.1585268
							-1.214056
							914.766
							914.7039
							914.441
							914.2224
							1.13203709

[illegible]

APPENDIX A

GF202	593026	AA159356	Hs.72308	Hs.72308	ESTs	910.5515	1.11175646
GF204	1468129	AA884827	Hs.125687	Hs.125687	EST	910.3314	
GF202	281275	N47858	Hs.46768	Hs.46768	EST	910.2936	1.2312505
					Homo sapiens cDNA		
					FLJ10649 fis, clone		
					NT2RP2005835, weakly		
GF202	813161	AA456303	Hs.12865	Hs.12865	similar to SHP1 PROTEIN	910.2608	1.25175908
GF204	179129	H50186	Hs.33037	Hs.33037	DKFZP434F195 protein	910.1771	
					ESTs, Weakly similar to		
					putative [C.elegans]		
GF203	770869	AA434400	Hs.28393	Hs.28393	interleukin enhancer binding	910.0838	-1.0219704
					factor 3, 90kD		
GF200	785816	AA449048	Hs.101664	Hs.256583	ILF3	909.9219	1.01127884
GF202	361175	AA017066	Hs.60742	Hs.237686	EST	909.7485	-1.4346993
					purinergic receptor P2X, ligand		
GF201	486678	AA044267	Hs.77807	Hs.77807	gated ion channel, 5	909.702	
					Homo sapiens cDNA		
					FLJ20350 fis, clone		
					HEP13972, highly similar to		
					Z184_HUMAN ZINC FINGER		
GF201	505183	AA151111	Hs.85007	Hs.59053	PROTEIN 184	909.4895	
					Homo sapiens mRNA; cDNA		
					DKFZp434B0610 (from clone		
GF202	1030649	AA608775	Hs.112589	Hs.112589	DKFZp434B0610); partial cds	909.1558	-1.1675547
GF204	1292892	AA776747	Hs.122574	Hs.122574	ESTs	908.7029	
GF204	1604005	AA989257	Hs.109271	Hs.153260	c-Cbl-interacting protein	908.6836	
GF202	277974	N63436	Hs.48787	Hs.48787	CIN85	908.167	-1.0544913
GF204	744001	AA629039	Hs.118498	Hs.118498	ESTs	908.0198	
GF202	247862	N58276	Hs.48190	Hs.229119	EST	907.7996	-1.0989864
					Human protein immuno-		
					reactive with anti-PTH		
					polyclonal antibodies mRNA,		
GF202	511091	AA088258	Hs.44566	Hs.44566	partial cds	907.522	1.24318278
					Homo sapiens mRNA,		
GF202	37895	R61518	Hs.22839	Hs.251108	chromosome 1 specific	907.3373	-1.5089796
GF201	417748	W88528	Hs.16176	Hs.187527	transcript KIAA0493	907.2206	
					ESTs		

APPENDIX A

GF201	344274	W73811	Hs.108316	Hs.123654	KIAA0824 protein ESTs	KIAA0824	906.9015
GF204	1507359	AA905113	Hs.19814	Hs.19814	phospholipase D2 ESTs	PLD2	906.8485
GF202	767312	AA418524	Hs.104519	Hs.104519	ESTs		906.3167
GF201	278171	N63536	Hs.35839	Hs.29263	ESTs		906.2809
GF202	796330	AA461318	Hs.29863	Hs.29863	ESTs		906.154
GF202	344156	W69995	Hs.94808	Hs.94808	transcriptional repressor arginase, liver	CTCF	905.5841
GF200	240367	H89996	Hs.57419	Hs.57419	chromodomain helicase DNA binding protein 2	ARG1	905.197
GF200	813635	AA453673	Hs.77600	Hs.77600	ESTs		904.6103
GF203	700332	AA283710	Hs.55165	Hs.36787	ESTs	CHD2	904.5753
GF204	435905	AA701428	Hs.114061	Hs.114061	ESTs		904.516
GF202	1048694	AA620607	Hs.111591	Hs.111591	ESTs		904.4673
GF200	134476	R27644	Hs.24167	Hs.24167	synaptobrevin-like 1	SYBL1	903.5646
GF204	1292108	AA707589	Hs.120832	Hs.69494	ESTs		903.4844
GF202	29583	R42218	Hs.13333	Hs.13333	ESTs		903.4478
GF203	208487	H62199	Hs.124032	Hs.221127	ESTs		903.2943
GF202	731337	AA416782	Hs.98258	Hs.98258	ESTs		903.2901
GF201	366971	AA026682	Hs.100298	Hs.156346	topoisomerase (DNA) II alpha (170kD)	TOP2A	903.2719
GF201	796134	AA460969	Hs.7510	Hs.7510	mitogen-activated protein kinase kinase kinase 7	MAP3K7	903.2576
GF203	753113	AA400710	Hs.71070	Hs.102859	ESTs		903.2018
GF201	811035	AA485433	Hs.7724	Hs.7724	KIAA0963 protein	KIAA0963	903.1359
GF201	855438	AA664077	Hs.78089	Hs.78089	ATPase, vacuolar, 14 kD	ATP6S14	903.0035
GF201	731339	AA416783	Hs.86158	Hs.278573	H-2K binding factor-2	LOC51580	902.7877
GF203	176572	H45295	Hs.115270	Hs.29353	brain-specific protein p25 alpha	p25	902.7331
GF202	488499	AA047462	Hs.24067	Hs.198998	conserved helix-loop-helix ubiquitous kinase	CHUK	902.7178
GF201	809533	AA454584	Hs.29206	Hs.29206	Homo sapiens clone 24659 mRNA sequence		902.5822
GF204	744933	AA625812	Hs.116083	Hs.263150	ESTs		902.1578
GF201	502287	AA156781	Hs.83992	Hs.83992	ESTs		902.1497
GF203	786073	AA448672	Hs.99186	Hs.99186	EST		902.1217
GF203	1456937	AA863449	Hs.1154	Hs.1154	oviductal glycoprotein 1, 120kD	OVGP1	901.919
							-1.35356
							-2.0420773
							-1.2251084
							-1.0015865
							1.13550766
							1.31923904
							-2.0219205
							1.07149599
							1.16697466
							-1.0273844
							-1.1850413
							-1.4011952
							-1.1092614
							1.4295062
							-1.1418544
							-2.252404



102020" 86226860

## APPENDIX A

GF204	450846	AA682609	Hs.117273	Hs.30528	Homo sapiens paired mesoderm homeo box 1 (PMX1), mRNA	901.7398	
GF203	451247	AA780055	Hs.16808	Hs.16808	ESTs	901.2926	-1.9069018
GF202	277063	N39590	Hs.82415	Hs.82415	ESTs	900.9083	-1.4546075
GF202	682066	AA256462	Hs.44950	Hs.4815	nudix (nucleoside diphosphate linked moiety X)-type motif 3	900.9053	-1.636803
GF200	124795	R05832	Hs.19568	Hs.19568	ESTs	900.819	-1.12877
GF202	489098	AA056534	Hs.110294	Hs.110294	ESTs	900.7828	1.05403711
GF200	813841	AA453728	Hs.213	Hs.274404	plasminogen activator, tissue ESTs, Weakly similar to neuronal thread protein AD7c-	900.6626	1.02640624
GF201	66676	T67261	Hs.106860	Hs.154431	NTP [H.sapiens]	900.6512	
GF202	810354	AA464162	Hs.99610	Hs.99610	ESTs	900.6182	-1.6856188
GF201	810299	AA463958	Hs.13259	Hs.25615	YDD19 protein	900.5283	
GF204	506018	AA708441	Hs.107872	Hs.107872	Homo sapiens cDNA FLJ20761 fis, clone HEP00317	900.514	
GF200	897774	AA598510	Hs.28914	Hs.28914	adenine phosphoribosyltransferase	900.3249	1.08067399
GF201	884766	AA629591	Hs.74637	Hs.74637	testis enhanced gene transcript	900.3053	
GF204	743731	AA629357	Hs.98162	Hs.98162	ESTs	900.0598	
GF203	279972	N57554	Hs.91958	Hs.91958	ESTs	899.969	-1.428142
GF203	26332	R39878	Hs.21394	Hs.21394	ESTs	899.9549	-1.8369271
GF200	125148	R05309	Hs.113052	Hs.113052	RNA cyclase homolog protein disulfide isomerase related protein (calcium- binding protein, intestinal- related)	899.9011	1.10027666
GF200	248454	N59626	Hs.93659	Hs.93659	related)	899.6119	-1.0006491
GF204	823992	AA490929	Hs.105274	Hs.105274	ESTs	899.5321	
GF203	190499	H37778	Hs.32677	Hs.32677	ESTs	899.1252	-1.4338031
GF201	243172	H94474	Hs.108478	Hs.269023	ESTs	899.1047	
GF203	28225	R40918	Hs.56782	Hs.56782	ESTs	899.0674	-2.0203591
GF202	784117	AA432070	Hs.21149	Hs.210850	KIAA1131 protein	898.9833	-1.3239556
					KIAA1131		

APPENDIX A

GF200	784504	AA447393	Hs.75890	Hs.75890	site-1 protease (subtilisin-like, sterol-regulated, cleaves sterol regulatory element binding proteins)	S1P	898.7311	1.3226218
GF201	41406	R56149	Hs.78776	Hs.78776	putative transmembrane protein	NMA	898.7007	
GF204	647435	AA199585	Hs.101891	Hs.101891	KIAA1193 protein	KIAA1193	898.6321	
GF202	277595	N57007	Hs.94074	Hs.94074	EST		898.3702	1.07178438
GF203	156962	R74321	Hs.29410	Hs.29410	ESTs		898.3698	-1.286921
GF202	292399	N68399	Hs.94213	Hs.151506	H2B histone family, member N	H2BFN	898.3468	-1.1586862
GF204	745084	AA626348	Hs.116155	Hs.116155	EST		898.092	
GF202	358212	W95414	Hs.55497	Hs.55497	ESTs		897.5168	1.03331388
GF200	203791	H56207	Hs.37265	Hs.225691	ESTs		897.0518	1.38551378
GF204	970685	AA774761	Hs.32094	Hs.32094	ESTs		897.0406	
GF203	37404	R51100	Hs.124257	Hs.144995	ESTs		896.8094	-1.7962446
GF200	756968	AA428778	Hs.45272	Hs.144700	ephraim-B1	EFNB1	896.7119	-1.1639785
GF201	261274	H98255	Hs.108836	Hs.130557	ESTs		896.6299	
					Homo sapiens cDNA			
GF203	261811	H98853	Hs.114326	Hs.9725	FLJ10792 fis, clone		896.4922	1.34602709
GF201	199637	R96523	Hs.35580	Hs.35580	NT2RP4000560		896.2879	
GF200	204737	H57309	Hs.117884	Hs.93005	ESTs			
					slug (chicken homolog), zinc finger protein	SLUG	896.007	1.27380068
					ESTs, Weakly similar to			
					mitogen inducible gene mig-2			
GF200	121530	T97890	Hs.18178	Hs.180535	[H.sapiens]		895.9739	-1.2045758
					general transcription factor II, i, pseudogene 1	GTF2IP1	895.9478	-2.0033879
GF202	743217	AA400128	Hs.110167	Hs.169921	EST		895.5672	
GF204	745274	AA625552	Hs.116058	Hs.116058	calnexin	CANX	895.5351	1.70454056
GF200	511521	AA126356	Hs.79933	Hs.155560	calnexin	CANX	895.5351	1.70454056
GF200	511521	AA126356	Hs.75076	Hs.155560	ESTs		895.5095	1.11732534
GF202	772373	AA404564	Hs.115425	Hs.47094	zinc finger protein 184 (Kruppel-like)	ZNF184	895.3607	1.12358743
GF200	814014	AA455712	Hs.5186	Hs.158174	ESTs		895.198	
GF204	211145	H65881	Hs.38427	Hs.198651				

APPENDIX A

GF202	239324	H69934	Hs.39143	Hs.39143	ESTs, Weakly similar to predicted using Genefinder [C.elegans]	894.8486	-1.0746441
GF200	80549	T59641	Hs.93728	Hs.93728	pre-B-cell leukemia transcription factor 2	894.7496	-1.0866777
GF201	428652	AA004321	Hs.15345	Hs.194397	ESTs	894.3416	
GF201	810122	AA464237	Hs.28881	Hs.3382	protein phosphatase 4,	894.2505	
GF201	488010	AA045709	Hs.40545	Hs.40545	regulatory subunit 1	893.9283	
GF201	810898	AA459282	Hs.43756	Hs.43756	ESTs	893.7439	
GF203	726835	AA398348	Hs.97329	Hs.130546	Homo sapiens cDNA	893.7156	1.31796642
GF202	594796	AA171421	Hs.26334	Hs.26334	FLJ20449 fis, clone KAT05575	893.2075	-1.6635435
GF201	281483	N51529	Hs.15838	Hs.118047	KIAA1083 protein	893.0713	
					ESTs		
GF203	1471841	AA873355	Hs.119404	Hs.190703	ATPase, Na+/K+ transporting, alpha 1 polypeptide	892.9343	-1.6392449
GF202	726768	AA398366	Hs.97616	Hs.97616	SH3-domain GRB2-like 1	892.7531	-1.1310756
					ESTs, Weakly similar to hypothetical protein		
GF202	787856	AA452139	Hs.65932	Hs.264897	[H.sapiens]	892.2073	1.07404157
GF204	434776	AA701863	Hs.80618	Hs.80618	hypothetical protein	892.1888	
GF200	49464	H15111	Hs.78853	Hs.78853	uracil-DNA glycosylase	892.1595	1.22307673
					neurogranin (protein kinase C substrate, RC3)	892.0588	
GF201	178825	H49511	Hs.26944	Hs.26944	down-regulator of transcription 1, TBP-binding (negative cofactor 2)		
GF200	566760	AA132094	Hs.100656	Hs.16697	DR1	892.0195	1.17612099
GF202	1031731	AA609591	Hs.112728	Hs.112728	ESTs	891.9492	-2.334351
					protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform		
GF200	950445	AA599092	Hs.91773	Hs.91773	PPP2CA	891.8734	1.09797338
					protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform		
GF200	950445	AA599092	Hs.75624	Hs.91773	PPP2CA	891.8734	1.09797338

APPENDIX A

GF200	789357	AA451716	Hs.83428	Hs.83428	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (p105)	NFKB1	891.4918	-1.0336248
GF204	235095	H79318	Hs.105355	Hs.21320	ESTs		891.282	
GF203	753252	AA406233	Hs.74266	Hs.74266	ESTs, Highly similar to similar to GTPase-activating proteins [H.sapiens]		891.1521	-1.2104436
GF202	781128	AA429885	Hs.98638	Hs.98638	ESTs		891.0657	1.61920961
GF202	950577	AA608524	Hs.112505	Hs.112505	ESTs		891.0283	-1.2599091
GF202	299128	N70537	Hs.54275	Hs.19056	KIAA0769 gene product	KIAA0769	890.7763	-2.5454539
GF201	206052	H61552	Hs.106071	Hs.10198	ESTs		890.5894	
GF203	384006	AA702627	Hs.6535	Hs.6535	Homo sapiens BNPI mRNA for brain-specific Na-dependent inorganic phosphate cotransporter, complete cds		890.4084	-1.0612268
GF200	79353	T62804	Hs.3382	Hs.3382	protein phosphatase 4, regulatory subunit 1	PPP4R1	890.4005	-1.0470889
GF204	1048695	AA620619	Hs.124108	Hs.191822	ESTs		890.2439	
GF202	1046542	AA621155	Hs.112193	Hs.112193	mutS (E. coli) homolog 5	MSH5	890.1194	-2.0376547
GF202	773527	AA428137	Hs.86434	Hs.86434	ESTs		889.7123	-1.4761929
GF204	1468585	AA884617	Hs.116318	Hs.116318	ESTs		889.5724	
GF203	31652	R43001	Hs.22298	Hs.22298	EST		889.5718	-1.0604351
GF202	510571	AA057738	Hs.31305	Hs.31305	transducin-like enhancer of split 3, homolog of Drosophila E(sp1)	TLE3	889.4645	-1.2260145
GF202	283001	N45198	Hs.46484	Hs.227178	EST, Highly similar to similar to Cdc14B1 phosphatase		888.8429	1.09412007
GF201	321261	W55916	Hs.48784	Hs.48784	[H.sapiens]		888.7983	
GF203	530219	AA111865	Hs.109923	Hs.79259	ESTs	PIR	888.733	1.31742491
GF204	447171	AA702985	Hs.127281	Hs.191322	ESTs		888.6288	
GF200	245296	N72452	Hs.89571	Hs.89571	RAD52 (S. cerevisiae) homolog	RAD52	888.2684	1.40936484
GF203	753300	AA406566	Hs.9380	Hs.227209	DKFZP586F1019 protein	DKFZP586F1019	888.1466	-1.3966236

APPENDIX A

GF200	485854	AA040424	Hs.82223	Hs.82223	Human DNA sequence from clone 141H5 on chromosome Xq22.1-23. Contains parts of a novel Chordin LIKE protein with von Willebrand factor type C domains. Contains ESTs, STSs and GSSs	887.9188	1.03264311
GF201	49918	H15296	Hs.26903	Hs.249495	heterogeneous nuclear ribonucleoprotein A1	887.839	
GF200	280750	N47468	Hs.41073	Hs.24512	ESTs	887.7641	-1.1740287
GF203	435537	AA701909	Hs.20567	Hs.20567	ESTs	887.7638	-1.2379729
GF204	1636496	AA999947	Hs.7841	Hs.197114	RNA binding protein	887.7078	
GF202	782211	AA431987	Hs.98777	Hs.98777	EST	887.7051	-1.2678536
GF204	745088	AA626350	Hs.116156	Hs.116156	ESTs	887.604	
GF202	772429	AA405571	Hs.43749	Hs.82646	heat shock 40kD protein 1	886.9523	-1.3199386
					ATPase, H+ transporting, lysosomal (vacuolar proton pump), beta polypeptide, 56/58kD, isoform 2		
GF203	1323203	AA877194	Hs.1697	Hs.1697	ATP6B2	886.9508	-1.6914833
GF202	1030726	AA620287	Hs.112851	Hs.112851	ESTs	886.9503	-1.6524026
GF202	279715	N48337	Hs.46862	Hs.46862	EST	886.9314	1.30697201
					lipoma HMGIC fusion partner-like 2		
GF203	1469377	AA863469	Hs.79299	Hs.79299	LHFPL2	886.7994	-1.5535238
GF200	207771	H58949	Hs.37648	Hs.37648	ESTs	886.7061	-1.0540035
					mannosidase, alpha, class 1A, member 2		
GF201	260741	H97940	Hs.23337	Hs.239114	MAN1A2	886.6865	
GF201	79763	T63981	Hs.11356	Hs.11356	ESTs	886.5847	
GF201	47225	H11270	Hs.25012	Hs.12183	KIAA0935 protein	886.2745	
GF204	460889	AA704174	Hs.119803	Hs.119803	EST	886.2272	
GF204	35893	R45980	Hs.23096	Hs.23096	ESTs	886.0855	
GF201	345621	W72596	Hs.8031	Hs.250708	CAAX box 1	886.0834	
GF202	282283	N49746	Hs.46963	Hs.46832	ESTs	885.8464	-2.4324685
GF203	281585	N47994	Hs.118044	Hs.182196	ESTs	885.7668	-1.8335006
GF201	85614	T62031	Hs.11000	Hs.11000	MY047 protein	885.115	

APPENDIX A

GF202	308873	N93601	Hs.54974	Hs.226564	ESTs, Moderately similar to !!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens] Homo sapiens mRNA; cDNA DKFZp586A0618 (from clone DKFZp586A0618) ESTs ubiquitination factor E4B (homologous to yeast UFD2) EST POU domain, class 2, transcription factor 1 solute carrier family 2 (facilitated glucose transporter), member 1 DKFZP434I225 protein modulator recognition factor 1 EST mannosidase, alpha, class 2B, member 1 ESTs ESTs antizyme inhibitor ESTs ESTs Homo sapiens mRNA for KIAA1343 protein, partial cds	885.1058	-1.5457694
GF202	1031963	AA609783	Hs.112767	Hs.4105		885.0152	-1.6729362
GF204	1500262	AA886757	Hs.72020	Hs.72020		885.0031	
GF201	346292	W74337	Hs.108487	Hs.24594	UBE4B	884.916	
GF202	280967	N47589	Hs.46741	Hs.46741		884.6684	1.32486202
GF200	192694	H38522	Hs.62730	Hs.182237	POU2F1	884.1204	-1.2643391
GF200	207358	H58873	Hs.108181	Hs.169902	SLC2A1	884.0914	1.12812842
GF204	745569	AA626324	Hs.87794	Hs.87794	DKFZP434I225 protein	884.0632	
GF203	1391644	AA789301	Hs.920	Hs.920	MRF-1	883.9644	-1.6735634
GF203	430677	AA677863	Hs.117089	Hs.238643	EST	883.6545	2.07332516
GF201	770454	AA427691	Hs.108969	Hs.108969	MAN2B1	883.5027	
GF201	810779	AA481754	Hs.44736	Hs.44736	ESTs	883.2374	
GF204	239793	H80621	Hs.117901	Hs.268933	ESTs	882.9783	
GF201	257287	N29619	Hs.82249	Hs.223014	LOC51582	882.6635	
GF203	812153	AA456027	Hs.8480	Hs.180638	ESTs	882.4602	-1.2990563
GF203	150176	H01940	Hs.95605	Hs.95605	ESTs	882.4176	-1.2227864
GF204	858680	AA778989	Hs.94042	Hs.94042		882.2669	
GF203	30330	R41407	Hs.100871	Hs.250911	interleukin 13 receptor, alpha 1 IL13RA1	882.2214	-1.8285999
GF203	856568	AA633647	Hs.17630	Hs.194035	KIAA0737 gene product diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor) ESTs	882.0257	-1.8180054
GF200	35828	R14663	Hs.799	Hs.799	DTR	881.7192	-1.1905252
GF202	838296	AA457490	Hs.57877	Hs.57877		881.7081	-1.3755851

APPENDIX A

ESTs, Highly similar to RNA					
helicase-related protein					
GF203	451918	AA706964	Hs.120916	Hs.269595	[H.sapiens] ESTs KIAA0252 protein UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5 neuropilin 1 ESTs ESTs, Weakly similar to oxidative-stress responsive 1 [H.sapiens] ESTs solute carrier family 9 (sodium/hydrogen exchanger), isoform 6 ESTs ESTs calcium/calmodulin-dependent protein kinase I calcium/calmodulin-dependent protein kinase I advinlin dihydrofolate reductase neuroblastoma candidate region, suppression of tumorigenicity 1 ESTs ESTs sperm specific antigen 2
GF200	139764	R62241	Hs.28304	Hs.172780	
GF203	451104	AA704524	Hs.83419	Hs.83419	
GF203	825641	AA504652	Hs.107526	Hs.107526	B4GALT5 NRP1
GF203	489535	AA098867	Hs.69285	Hs.69285	
GF203	51214	H18470	Hs.16689	Hs.16689	
GF201	127458	R08769	Hs.20230	Hs.4789	ESTs ESTs solute carrier family 9 (sodium/hydrogen exchanger), isoform 6 ESTs ESTs calcium/calmodulin-dependent protein kinase I calcium/calmodulin-dependent protein kinase I advinlin dihydrofolate reductase neuroblastoma candidate region, suppression of tumorigenicity 1 ESTs ESTs sperm specific antigen 2
GF203	726901	AA398234	Hs.12396	Hs.12396	
GF200	20115	R45009	Hs.62185	Hs.62185	SLC9A6 ESTs ESTs calcium/calmodulin-dependent protein kinase I calcium/calmodulin-dependent protein kinase I advinlin dihydrofolate reductase neuroblastoma candidate region, suppression of tumorigenicity 1 ESTs ESTs sperm specific antigen 2
GF201	486850	AA042911	Hs.61497	Hs.61497	
GF202	305851	N90403	Hs.54618	Hs.54618	
GF200	52629	H29415	Hs.118414	Hs.184402	CAMK1 CAMK1 AVIL DHFR
GF200	52629	H29415	Hs.96398	Hs.184402	
GF201	770840	AA427733	Hs.47344	Hs.47344	
GF201	123971	R00884	Hs.83765	Hs.83765	
GF200	898305	AA598830	Hs.76307	Hs.76307	NBL1 ESTs ESTs sperm specific antigen 2
GF203	53031	R15946	Hs.21757	Hs.21757	
GF204	1461608	AA883790	Hs.125505	Hs.125505	
GF200	897655	AA496804	Hs.82767	Hs.82767	
proteolipid protein 1 (Pelizaeus-Merzbacher disease, spastic paraplegia 2, uncomplicated)					
GF200	22731	T75041	Hs.1787	Hs.1787	PLP1

ESTs, Highly similar to RNA  
helicase-related protein  
[H.sapiens]  
ESTs  
KIAA0252 protein  
KIAA0252  
UDP-Gal:betaGlcNAc beta 1,4-  
galactosyltransferase,  
polypeptide 5  
neuropilin 1  
ESTs  
ESTs, Weakly similar to  
oxidative-stress responsive 1  
[H.sapiens]  
ESTs  
solute carrier family 9  
(sodium/hydrogen exchanger),  
isoform 6  
ESTs  
ESTs  
calcium/calmodulin-dependent  
protein kinase I  
calcium/calmodulin-dependent  
protein kinase I  
advillin  
dihydrofolate reductase  
neuroblastoma candidate  
region, suppression of  
tumorigenicity 1  
ESTs  
ESTs  
sperm specific antigen 2  
SSFA2  
  
proteolipid protein 1 (Pelizaeus-  
Merzbacher disease, spastic  
paraplegia 2, uncomplicated) PLP1

881.5027 -2.3398351  
881.2897 1.54590084  
881.1862 -2.5253999  
  
880.9359 -2.1812847  
880.8824 1.40022802  
880.7223 -1.0397545  
  
880.6774  
880.2979 -1.5466207  
  
879.9883 -1.2291663  
879.8218  
879.7979 -1.9900281  
  
879.7252 -1.1155153  
  
879.7252 -1.1155153  
879.3275  
879.212  
  
879.1755 -1.2296663  
879.1518 -1.7450172  
879.0032  
878.8803 -1.4086048  
  
878.765 -1.0743004

## APPENDIX A

[illegible]



102040" 86226860

## APPENDIX A

GF200	251019	H97778	Hs.82004	Hs.194657	cadherin 1, E-cadherin (epithelial)	CDH1	875.6402	1.33492523
GF200	785334	AA449161	Hs.85091	Hs.116784	thyroid hormone receptor			
GF201	488422	AA044662	Hs.111167	Hs.32317	interactor 4	TRIP4	875.5758	1.02391593
					Sox-like transcriptional factor	SOXL	875.3112	
GF203	878631	AA775290	Hs.100623	Hs.100623	phospholipase C, beta 3, neighbor pseudogene	PLCB3NP	875.1553	1.20694595
GF204	858462	AA774034	Hs.115987	Hs.258811	coatamer protein complex, subunit gamma 2	COPG2	875.041	
GF201	50471	H16812	Hs.22231	Hs.158203	actin-binding LIM protein	ABLIM	875.0332	
GF200	739983	AA477501	Hs.3104	Hs.3104	KIAA0042 gene product	KIAA0042	874.9618	-1.0898195
					Homo sapiens mRNA; cDNA			
GF201	50302	H17273	Hs.26830	Hs.184390	DKFZp761P039 (from clone		874.915	
GF202	31022	R42561	Hs.7989	Hs.7989	DKFZp761P039); partial cds		874.7906	-1.4884894
GF201	795536	AA459650	Hs.44159	Hs.44159	KIAA1045 protein	KIAA1045	874.5919	
GF202	564597	AA115861	Hs.95600	Hs.95600	ESTs		874.5659	1.05437621
GF204	592410	AA158532	Hs.49014	Hs.49014	ESTs		874.1384	
GF202	346359	W74216	Hs.58356	Hs.58356	ESTs		873.9656	-2.3621834
					Kruppel-like factor 7			
GF201	280249	N49209	Hs.32170	Hs.21599	(ubiquitous)	KLF7	873.9232	
GF202	121312	T96851	Hs.119552	Hs.189765	ESTs		873.7723	-1.0078475
GF203	395809	AA757873	Hs.121562	Hs.121562	ESTs		873.5272	-1.6378145
GF203	206457	H63575	Hs.125029	Hs.125029	ESTs		873.4483	-1.8214742
					Homo sapiens mRNA; cDNA			
GF204	40075	R52016	Hs.16085	Hs.16085	DKFZp434H1228 (from clone		873.4072	
GF200	137760	R68514	Hs.28850	Hs.186530	DKFZp434H1228)		873.0601	1.6501629
GF203	815108	AA465202	Hs.8151	Hs.6214	ESTs		872.9717	-1.6211556
					KIAA0731 protein	KIAA0731		
					collagen-binding protein 2			
GF200	142788	R71440	Hs.9930	Hs.9930	(collagen 2)	CBP2	872.7618	1.10599937
GF204	362875	AA018937	Hs.109558	Hs.128629	ESTs		872.7202	
GF202	121574	T97717	Hs.119563	Hs.119563	ESTs		872.6188	1.31405779
GF200	245745	N76867	Hs.14931	Hs.14931	ESTs		872.6106	-1.2947831
					Homo sapiens clone 24760			
GF203	812283	AA455092	Hs.61408	Hs.61408	mRNA sequence		872.4066	-1.1659238

Westbrook et al.

APPENDIX A

GF201	134916	R32325	Hs.106189	Hs.221794	ESTs carboxypeptidase A3 (mast cell)	872.2225
GF201	80221	T64223	Hs.646	Hs.646	CPA3	871.9046
GF201	810904	AA459285	Hs.97876	Hs.97876	ESTs	871.8435
GF200	35105	R25074	Hs.50984	Hs.146261	ESTs	871.6581
					ESTs, Moderately similar to putative transcription factor CA150 [H.sapiens]	1.08713222
GF202	813787	AA447709	Hs.54139	Hs.262563		871.4554
					ESTs, Highly similar to nicotinic acetylcholine receptor alpha-7 chain precursor, neuronal [H.sapiens]	-1.5777749
GF201	415084	W93369	Hs.27093	Hs.167418	KIAA1091 protein	871.4415
GF202	42008	R60711	Hs.26797	Hs.26797	isocitrate dehydrogenase 2 (NADP+), mitochondrial	871.0686
GF201	869375	AA679907	Hs.105969	Hs.5337	IDH2	871.0412
GF202	742576	AA400437	Hs.2717	Hs.274570	HE2 alpha1	870.8393
GF204	970649	AA774724	Hs.116561	Hs.25615	YDD19 protein	870.8212
GF203	295623	N72600	Hs.124168	Hs.205555	ESTs	870.6415
					v-myb avian myeloblastosis viral oncogene homolog-like 2	1.0444941
GF200	815526	AA456878	Hs.74605	Hs.179718	MYBL2	870.3799
					Human DNA from overlapping chromosome 19 cosmids R31396, F25451, and R31076 containing COX6B and UPKA, genomic sequence	-1.0201926
GF200	771000	AA429281	Hs.5086	Hs.5086	ESTs	870.0508
GF203	683986	AA251143	Hs.62777	Hs.62777	ESTs	869.4472
GF204	1505783	AA910431	Hs.128621	Hs.222080	ESTs	869.4361
GF201	270645	N29585	Hs.43999	Hs.227716	KIAA0934 protein	869.4203
					mitogen-activated protein kinase kinase 7	KIAA0934
GF201	223128	H85962	Hs.110299	Hs.110299	ESTs	869.3572
GF203	813838	AA447777	Hs.93135	Hs.93135	Homo sapiens mRNA; cDNA DKFP761J032 (from clone DKFP761J032); partial cds	869.0569
GF201	877636	AA488177	Hs.6489	Hs.6489		-1.6254269
						869.0208

T02020" 86225850

## APPENDIX A

GF201	811168	AA485750	Hs.104386	Hs.20225	similar to tuffein-interacting protein	DKFZP434B194	868.9476	
GF203	814817	AA455262	Hs.43827	Hs.43827	ESTs, Weakly similar to similar to GABA and glycine receptors [C.elegans]		868.8257	-1.6760738
GF200	358609	W96319	Hs.59745	Hs.59745	NADH dehydrogenase (ubiquinone) flavoprotein 3 (10kD)	NDUFB3	868.796	1.07978522
GF202	730412	AA469966	Hs.30318	Hs.30318	Homo sapiens cDNA			
GF203	412909	AA707713	Hs.120917	Hs.120917	FLJ10874 fis, clone			
GF203	289582	N59265	Hs.31818	Hs.31818	NT2RP4001803		868.6259	-1.0352677
GF200	770992	AA430744	Hs.77256	Hs.77256	ESTs		868.232	-1.9490787
GF204	1055577	AA620894	Hs.116027	Hs.126957	ESTs		868.1655	1.49319021
GF202	27516	R40208	Hs.91706	Hs.13572	enhancer of zeste (Drosophila) homolog 2	EZH2	867.9918	-1.378866
					ESTs		867.8175	
					calcium modulating ligand	CAMLG	867.1362	-1.8032663
					Human DNA sequence from clone RP1-37E16 on chromosome 22			
					Contains the 3' part of the gene for a novel VHS domain containing protein similar to predicted worm and human proteins, the SH3BP1 gene for SH3-domain binding protein 1, the gene for a novel protei		867.0648	
GF201	743182	AA400022	Hs.5790	Hs.5790	ESTs, Highly similar to putative mitogen-activated protein kinase kinase kinase [H.sapiens]			
GF200	128833	R10185	Hs.91312	Hs.41040	ESTs, Weakly similar to WASP-family protein [H.sapiens]		867.0573	-1.6206691
GF202	730772	AA436009	Hs.119149	Hs.178186	DNA (cytosine-5)-methyltransferase 2	DNMT2	866.9126	1.36717412
GF201	198982	R95732	Hs.97681	Hs.97681			866.9094	

## APPENDIX A

GF203	768258	AA424948	Hs.69331	Hs.69331	ESTs	866.8567	-1.2800704
					mitogen-activated protein kinase 14		
GF200	772261	AA404479	Hs.79107	Hs.79107	MAPK14	866.8299	-1.0679676
GF203	261676	H99108	Hs.117979	Hs.117979	ESTs	866.7922	-1.1199706
GF203	108864	T78909	Hs.13456	Hs.13456	Homo sapiens clone 24747 mRNA sequence	866.7552	-2.8371511
GF204	266696	N22889	Hs.114347	Hs.266940	t-complex-associated-testis-expressed 1-like 1	866.6155	
GF200	211747	H68272	Hs.38703	Hs.38703	ESTs	866.3477	1.19904829
GF201	796176	AA461098	Hs.5220	Hs.111632	Lsm3 protein	866.2095	
					ESTs, Weakly similar to !!!!		
					ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
GF204	645669	AA206456	Hs.111177	Hs.194131	[H.sapiens]	865.9736	
GF204	461532	AA705242	Hs.119882	Hs.119882	EST	865.8535	
					ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	865.6466	-1.6489743
GF200	827132	AA521232	Hs.73801	Hs.173466	ESTs, Highly similar to CGI-138 protein [H.sapiens]	865.4244	1.18058958
GF203	824723	AA488986	Hs.5836	Hs.5836	ESTs	865.402	
GF201	795907	AA460346	Hs.99101	Hs.99101	ESTs	865.2346	-1.1959827
GF202	132392	R26531	Hs.119484	Hs.119484	ESTs	865.1021	-2.1015641
GF203	451252	AA780057	Hs.122138	Hs.122138	ESTs	864.6872	1.75457608
GF202	505007	AA151297	Hs.71944	Hs.71944	ESTs	864.6205	-1.3284632
GF202	244194	N51030	Hs.114301	Hs.167714	ESTs	864.6128	-1.292593
GF203	48056	H11629	Hs.26790	Hs.26790	ESTs		
					purinergic receptor P2X, ligand gated ion channel, 4	864.4919	1.67586085
GF200	1035182	AA670190	RG.1	Hs.9610	ESTs, Highly similar to TRANSFERRIN RECEPTOR		
GF200	276286	R94591	Hs.20303	Hs.185726	PROTEIN [H.sapiens]	864.3723	1.81768655
					Homo sapiens cDNA		
GF203	291557	N72888	Hs.112351	Hs.118964	FLJ20085 fis, clone	863.5189	-1.4133563
GF203	774078	AA441933	Hs.79386	Hs.79386	COL03604	863.3002	-1.7789217
					leiomodlin 1 (smooth muscle)		
					LMOD1		

APPENDIX A

GF200	796646	AA460115	Hs.75212	Hs.75212	ornithine decarboxylase 1 ESTs, Weakly similar to p40 [H.sapiens]	ODC1	863.1858	1.03759249
GF202	1031516	AA609245	Hs.112671	Hs.112671	ESTs		863.1581	-1.9049569
GF203	243135	H95819	Hs.41294	Hs.41294	ESTs		862.7888	-1.2918102
GF202	730009	AA416856	Hs.98170	Hs.98170	ESTs		862.6728	-1.5922456
GF203	506523	AA709023	Hs.28158	Hs.18586	KIAA0451 gene product	KIAA0451	862.6612	1.17606388
GF204	147533	R81636	Hs.28852	Hs.278585	ESTs		862.3026	
GF202	294685	N71303	Hs.50015	Hs.50015	EST		862.2787	-1.8946322
GF201	131988	R32439	Hs.10620	Hs.10620	C18B11 homolog (44.9kD)	C18B11	862.275	
GF203	450836	AA682597	Hs.117271	Hs.207777	EST		862.2644	-1.4055428
GF202	273054	N36404	Hs.44807	Hs.44807	ESTs		862.1312	1.72099269
GF202	308228	N95353	Hs.55138	Hs.55138	ESTs		861.9571	-1.3390858
GF204	1292096	AA707583	Hs.97542	Hs.97542	ESTs, Weakly similar to Phospholipase C [H.sapiens]		861.711	
					Homo sapiens cDNA			
					FLJ10559 fis, clone			
					NT2RP2002618, weakly similar to PROTEIN			
					ARGININE N-			
					METHYLTRANSFERASE 2 (EC 2.1.1.-)		861.1615	-1.5221564
GF202	610124	AA169724	Hs.26006	Hs.26006	DKFZP434D146 protein	DKFZP434D146	861.0042	
GF204	41305	R56877	Hs.61540	Hs.240845	Homo sapiens cDNA			
					FLJ20207 fis, clone			
GF204	192521	H41285	Hs.129014	Hs.129014	COLF1609		860.9326	
GF200	150702	H02340	Hs.89558	Hs.22554	homeo box B5	HOXB5	860.809	-1.2943202
					zinc finger protein 151 (pHZ- 67)	ZNF151		
GF201	755373	AA436372	Hs.33532	Hs.33532	ESTs		860.7571	
GF204	1466423	AA885484	Hs.125653	Hs.125653	ESTs		860.6693	
GF202	590539	AA155754	Hs.72106	Hs.237861	ESTs		860.367	-1.1432191
					ESTs, Weakly similar to finger protein HZF10, Krueppel- related [H.sapiens]			
GF201	795319	AA454174	Hs.55606	Hs.55606	Homo sapiens mRNA for KIAA1139 protein, partial cds		860.0991	
GF201	46415	H09167	Hs.101678	Hs.274408	ESTs		859.8098	
GF202	731348	AA421018	Hs.24951	Hs.24951			859.724	-1.2929769

APPENDIX A

GF201	345582	W71983	Hs.58130	Hs.124180	ESTs		859.6985
GF201	505334	AA155668	Hs.26407	Hs.26407	ESTs		859.3722
					protein phosphatase 1, regulatory (inhibitor) subunit 11	PPP1R11	
GF200	810986	AA485501	Hs.82887	Hs.82887	ESTs		859.3052
GF201	284343	N52255	Hs.44838	Hs.159204	ESTs		859.2502
GF203	450140	AA703434	Hs.67270	Hs.67270	ESTs		859.1893
					protein with polyglutamine repeat; calcium (ca2+)		-1.5810838
					homeostasis endoplasmic reticulum protein		-1.1025414
GF200	815285	AA481554	Hs.6430	Hs.6430	ERPROT213-21		
GF201	278658	N62911	Hs.48664	Hs.225767	IDN3 protein	IDN3	859.1302
					spinocerebellar ataxia 7 (olivopontocerebellar atrophy with retinal degeneration)		859.069
GF203	450574	AA704255	Hs.108447	Hs.108447	SCA7		
GF204	1048893	AA778551	Hs.122515	Hs.122515	ESTs		-2.3193458
					ESTs, Weakly similar to KRAB- containing zinc-finger protein		
GF202	511491	AA126222	Hs.109540	Hs.109540	KRAZ1 [M.musculus]		858.3581
GF200	788285	AA452627	Hs.76252	Hs.76252	endothelin receptor type A	EDNRA	857.7596
GF204	745570	AA626315	Hs.18397	Hs.18397	ESTs		857.7452
GF201	868400	AA634166	Hs.79322	Hs.79322	glutamyl-tRNA synthetase	QARS	857.6375
					eukaryotic translation		
GF201	306921	N91962	Hs.32119	Hs.172247	elongation factor 1 epsilon 1	EEF1E1	857.6165
					splicing factor, arginine/serine- rich 6	SFRS6	
GF202	594517	AA169645	Hs.6891	Hs.6891	ESTs		857.4055
GF201	429800	AA009769	Hs.20494	Hs.124246	ESTs		857.0551
					Homo sapiens cDNA		
GF203	452880	AA778771	Hs.122064	Hs.27047	FLJ20392 fis, clone KIAA4653		857.0439
GF201	135800	R33103	Hs.12102	Hs.118087	KIAA0610 protein	KIAA0610	856.9059
					ESTs, Weakly similar to BACR37P7.g		
GF201	795798	AA459853	Hs.5250	Hs.5250	[D.melanogaster]		856.8153
GF201	278759	N62946	Hs.48673	Hs.48673	ESTs		856.774
GF201	795851	AA461529	Hs.23830	Hs.23830	ESTs		856.7505

FILED "8646860

## APPENDIX A

GF204	1570318	AA932558	Hs.39387	Hs.39387	ESTs, Weakly similar to weak similarity to ribosomal protein L14 [C.elegans]	856.7049	
GF201	357037	W92766	Hs.38034	Hs.38034	ESTs	856.6334	
GF203	726695	AA398365	Hs.101937	Hs.255120	ESTs	856.3477	-1.324245
GF204	1467988	AA883884	Hs.125519	Hs.125519	ESTs	856.332	
GF200	210525	H65044	Hs.38340	Hs.214920	ESTs	855.9796	-1.0201868
GF202	730407	AA470082	Hs.104839	Hs.104839	ESTs	855.7433	-1.1309744
GF200	194872	R91033	Hs.101677	Hs.143032	ESTs, Weakly similar to neuronal thread protein AD7c-NTP [H.sapiens]	855.5238	1.27705949
GF200	292213	N68166	Hs.89672	Hs.91299	postmeiotic segregation increased 2-like 12	855.485	-1.0739333
GF203	178029	H46922	Hs.31755	Hs.31755	ESTs	855.3427	-2.7957706
GF203	392673	AA708348	Hs.120110	Hs.180079	ESTs	855.3282	-1.0904174
GF202	589484	AA146826	Hs.129914	Hs.129914	run-related transcription factor 1 (acute myeloid leukemia 1; aml1 oncogene)	855.2382	1.14919536
GF203	796442	AA459980	Hs.87773	Hs.87773	protein kinase, cAMP-dependent, catalytic, beta	855.0133	1.26950467
GF201	30175	R42433	Hs.79153	Hs.258609	protein tyrosine phosphatase, receptor type, O	854.7873	
GF201	179753	H51549	Hs.21899	Hs.21899	solute carrier family 35 (UDP-galactose transporter), member 2	854.7704	
GF202	782549	AA431797	Hs.98763	Hs.98763	EST	854.5616	-1.0894706
GF201	214583	H71224	Hs.39242	Hs.138580	ESTs, Weakly similar to !!!! ALU SUBFAMILY SC	854.3303	
GF200	230116	H80171	Hs.106083	Hs.106083	WARNING ENTRY !!!! [H.sapiens] ESTs, Moderately similar to NRD2 convertase [H.sapiens]	854.1952	1.26492146
GF204	32489	R42984	Hs.4863	Hs.4863	Homo sapiens clone 25088 mRNA sequence	854.0145	

## APPENDIX A

GF201	504979	AA151214	Hs.13455	Hs.6727	Ras-GTPase activating protein	853.7455	
GF202	277736	N49587	Hs.46633	Hs.46633	SH3 domain-binding protein 2 EST	853.3828	-1.5373185
GF203	725558	AA293441	Hs.77480	Hs.274351	Homo sapiens cDNA FLJ10562 fis, clone NT2RP2002701	853.3199	-1.3531756
GF202	265503	N21321	Hs.42978	Hs.25615	YDD19 protein	853.1525	-1.0437872
GF203	812142	AA456013	Hs.22982	Hs.22982	KIAA0958 protein BTB and CNC homology 1, basic leucine zipper	853.0608	-1.1293058
GF204	1638852	AI016618	Hs.115416	Hs.154276	transcription factor 1	852.9902	
GF202	251517	H96605	Hs.42207	Hs.42207	ESTs	852.7299	-1.6466263
GF203	665093	AA194893	Hs.104098	Hs.104098	ESTs proteasome (prosome, macropain) subunit, alpha type, 4	852.6324	-1.0956596
GF203	399536	AA733040	Hs.104670	Hs.251531	leupaxin	852.3117	-1.4370793
GF201	325128	W49781	Hs.49587	Hs.49587	KIAA1128 protein	852.1708	
GF203	712907	AA282236	Hs.88992	Hs.81897	ESTs, Moderately similar to !!! ALU SUBFAMILY SX WARNING ENTRY !!!!	852.1177	-1.2958061
GF202	504187	AA130228	Hs.110159	Hs.266537	[H.sapiens] ESTs, Weakly similar to !!! ALU CLASS A WARNING ENTRY !!! [H.sapiens]	851.955	1.02440362
GF202	752625	AA419608	Hs.111963	Hs.93961	KIAA0851 protein	851.9186	1.20786303
GF201	52604	H29044	Hs.5867	Hs.5867	cellular repressor of E1A- stimulated genes	851.8433	
GF201	85409	T71991	Hs.5710	Hs.5710	matrin 3	851.7491	
GF202	242807	H93622	Hs.109511	Hs.78825	Homo sapiens mRNA; cDNA DKFZp586I0521 (from clone DKFZp586I0521)	851.7344	-1.4031234
GF201	795378	AA453495	Hs.23285	Hs.236463	TLS-associated serine- arginine protein	851.6987	
GF201	47096	H11042	Hs.4214	Hs.3530	ESTs	851.6946	
GF201	428915	AA004819	Hs.20798	Hs.20798	TASR	851.4251	



APPENDIX A

GF203	277611	N49384	Hs.46722	Hs.46722	ESTs		851.3899	1.34716789
GF203	1239859	AA705981	Hs.124162	Hs.24212	latrophilin	KIAA0786	851.2	-1.0199526
GF202	38642	R51021	Hs.23161	Hs.150595	cytochrome P450, subfamily XXVIA, polypeptide 1	CYP26A1	851.0643	-1.1864291
GF200	826137	AA521347	Hs.79880	Hs.197803	KIAA0160 protein	KIAA0160	850.9997	1.04706961
GF200	199995	R97137	Hs.102021	Hs.151134	oxidase (cytochrome c)		850.932	1.15191657
GF201	268384	N23399	Hs.43387	Hs.43387	assembly 1-like	OXA1L	850.5176	
GF202	491238	AA152296	Hs.72045	Hs.72045	ESTs		850.4286	2.07801836
GF200	127462	R08772	Hs.20231	Hs.165142	ESTs		850.2954	1.06941965
GF203	796388	AA456147	Hs.75113	Hs.75113	general transcription factor IIIA	GTF3A	850.2653	-1.5081356
GF203	290667	N71758	Hs.116356	Hs.139179	ESTs, Weakly similar to		849.9769	-1.5812989
GF202	767819	AA418726	Hs.4764	Hs.4764	Prodos protein		849.7888	-1.5974363
GF203	39442	R51617	Hs.21896	Hs.21896	[D.melanogaster]		849.1317	1.19030143
GF201	209182	H62009	Hs.45064	Hs.169117	KIAA0763 gene product	KIAA0763	849.0836	
GF204	1276477	AA694502	Hs.116287	Hs.116287	Homo sapiens mRNA for		848.985	
GF204	1470169	AA865590	Hs.127248	Hs.161756	KIAA1136 protein, partial cds		848.8544	
GF204	461525	AA705250	Hs.120920	Hs.21229	F-box protein Fbw1b; beta-		848.7618	
GF201	204442	H58000	Hs.37455	Hs.269837	transducin repeat-containing protein 2	KIAA0696	848.1564	
GF204	32393	R43481	Hs.22358	Hs.268708	ESTs		847.8961	
GF201	489444	AA054542	Hs.55979	Hs.27728	Homo sapiens cDNA		847.8038	
GF204	1457276	AA911832	Hs.76607	Hs.154737	FLJ20211 fis, clone		847.7509	1.25453177
GF202	564801	AA136565	Hs.43085	Hs.172241	COLF1807		847.6417	-1.4040739
GF203	278404	N66093	Hs.21964	Hs.21964	serine protease, umbilical endothelium	SPUVE	847.5854	
GF202	40108	R52635	Hs.25935	Hs.25935	ESTs		847.478	1.27220238
GF202	950382	AA599043	Hs.55204	Hs.177376	ESTs		847.2897	-1.2574367

APPENDIX A

GF200	842802	AA486311	Hs.35884	Hs.197345	thyroid autoantigen 70kD (Ku antigen)	G2P1	847.2581	1.11536261
GF200	128243	R12473	Hs.94382	Hs.94382	adenosine kinase	ADK	846.9525	1.29399822
GF203	435570	AA701923	Hs.114078	Hs.114078	EST		846.6381	1.35732127
GF204	453137	AA700926	Hs.23180	Hs.23180	ESTs		846.4815	
GF202	416407	W86875	Hs.58933	Hs.3260	presenilin 1 (Alzheimer disease 3)	PSEN1	846.4149	-1.0577656
GF200	234907	H73080	Hs.82007	Hs.82007	KIAA0094 protein	KIAA0094	846.3596	-1.2026226
GF202	840471	AA485878	Hs.26909	Hs.3686	KIAA0978 protein	KIAA0978	846.2837	-1.2496317
GF201	51986	H23225	Hs.99784	Hs.24379	potassium voltage-gated channel, shaker-related			
GF200	223661	H87275	Hs.71675	Hs.153684	subfamily, beta member 3	KCNAB3	845.9523	
GF201	342551	W68585	Hs.15299	Hs.15299	frizzled-related protein	FRZB	845.9043	-1.5847963
GF204	646891	AA205649	Hs.86371	Hs.86371	HMBA-inducible	HIS1	845.6538	
GF202	742666	AA400273	Hs.97791	Hs.97791	zinc finger protein 254	ZNF254	844.4897	
					ESTs		843.9534	-2.1630057
					ESTs, Moderately similar to !!!			
					ALU SUBFAMILY SB1			
					WARNING ENTRY !!!			
GF202	530237	AA111979	Hs.4094	Hs.4094	[H.sapiens]		843.9111	1.10246046
GF202	247366	N54085	Hs.94046	Hs.94046	EST		843.8683	-1.0263667
GF202	593174	AA159605	Hs.72580	Hs.72580	ESTs		843.7377	1.19648456
GF203	814303	AA459106	Hs.82709	Hs.211577	kinectin 1 (kinesin receptor)	KTN1	843.262	-1.1547454
GF204	432670	AA700554	Hs.113160	Hs.113160	EST		843.1243	
GF203	713238	AA282938	Hs.52081	Hs.52081	KIAA0867 protein	KIAA0867	842.7432	-2.8291459
					solute carrier family 12			
					(potassium/chloride			
GF200	789014	AA452982	Hs.10094	Hs.10094	transporters), member 4	SLC12A4	842.6674	1.09887994
GF201	39959	R53558	Hs.26052	Hs.26052	ESTs		842.6476	
GF201	33940	R44752	Hs.91815	Hs.91815	ESTs		842.601	
GF200	77897	T61308	Hs.81454	Hs.81454	ketohexokinase (fructokinase)	KHK	842.5947	1.23398925
GF202	841238	AA487121	Hs.109703	Hs.237868	interleukin 7 receptor	IL7R	842.5603	1.34875187
GF203	825833	AA505150	Hs.97925	Hs.97925	hypothetical protein	FLJ20498	842.5254	-1.895728
					divalent cation tolerant protein			
GF204	1631849	AI004315	Hs.107187	Hs.107187	CUTA	LOC51596	842.5128	

APPENDIX A

GF203	1468310	AA884015	Hs.104636	tubby like protein 2	TULP2	842.4753	-1.7361737
GF204	124737	R02178	Hs.19321	ESTs		842.4178	
GF202	43844	H04799	Hs.12397	ESTs		842.3318	-2.0401254
				ESTs, Moderately similar to !!! ALU SUBFAMILY SC WARNING ENTRY !!!			
GF203	281127	N50949	Hs.190305	[H.sapiens]		842.0483	-1.7386425
				tumor protein 53-binding			
GF200	827013	AA521389	Hs.170263	protein, 1	TP53BP1	841.8298	-1.2254349
				Homo sapiens (clone s22i71)			
GF201	51800	H23553	Hs.159471	mRNA fragment		841.7514	
GF200	129725	R16957	Hs.22073	YDD19 protein	YDD19	841.5142	-1.4462976
GF203	415815	W84786	Hs.20596	ESTs		841.2744	1.11760853
GF202	257746	N30597	Hs.179152	toll-like receptor 7	LOC51284	841.2409	-1.3937583
				leukocyte-associated Ig-like			
GF204	1606315	AA991196	Hs.115808	receptor 1	LAIR1	841.2309	
GF200	240406	H78083	Hs.169979	ESTs		841.1506	1.08712644
GF204	868004	AA780676	Hs.193928	ESTs		841.111	
GF202	629805	AA218915	Hs.86752	EST		840.9671	-1.163256
GF203	547786	AA084323	Hs.68138	ESTs		840.923	1.26966443
GF202	430205	AA010208	Hs.110242	ESTs		840.5399	1.03040507
GF204	1292755	AA719380	Hs.120382	EST		840.2926	
GF201	84713	T74257	Hs.76809	ESTs		840.2707	
				Homo sapiens clone 23718			
GF201	32229	R42813	Hs.6580	mRNA sequence		840.0507	
GF200	230013	H68170	Hs.220864	ESTs		840.0468	1.73212311
GF204	1048609	AA608881	Hs.115994	API5-like 1	API5L1	840.0311	
GF202	742887	AA406226	Hs.97970	ESTs		839.9758	-2.0004445
GF203	1155191	AA780897	Hs.167013	dynamitin 2	DNM2	839.7733	-1.1045939
GF204	512410	AA057723	Hs.25292	ribonuclease HI, large subunit	RNASEHI	839.5433	
				ESTs, Highly similar to			
GF200	66953	T69532	Hs.76907	HSPC002 [H.sapiens]		839.4525	1.06390698
GF204	462889	AA682304	Hs.115335	ESTs		839.3422	
GF203	363936	AA021259	Hs.33609	ESTs		839.3203	-1.3399516
GF202	742977	AA405739	Hs.77978	ESTs		839.3187	1.25824578

APPENDIX A

GF202	731373	AA421048	Hs.98331	Hs.98331	ESTs	839.2146	-2.2323664
GF204	452906	AA778847	Hs.122518	Hs.122518	ESTs	839.1186	
GF200	34616	R44371	Hs.4935	Hs.4935	KIAA0176 protein	838.8396	1.27636716
GF202	950587	AA608528	Hs.94940	Hs.184492	ESTs	838.7964	-2.4373501
GF204	294587	N71059	Hs.126744	Hs.126744	ESTs	838.627	
					ribosomal protein S5		
GF202	781454	AA428607	Hs.17376	Hs.237225	pseudogene 1	838.4299	-1.2573359
					lymphocyte cytosolic protein 2		
					(SH2 domain-containing		
GF204	1552481	AA927372	Hs.2488	Hs.2488	leukocyte protein of 76kD)	838.4225	
					ESTs, Weakly similar to		
					putative protein RFX-Bdelta4		
GF203	767477	AA418029	Hs.32368	Hs.239154	[H.sapiens]	838.0103	-1.0976363
					Homo sapiens HSPC183		
GF202	592491	AA160498	Hs.109113	Hs.274417	mRNA, complete cds	837.9424	-2.1296189
					glutathione S-transferase M3		
GF200	137940	R63106	Hs.2006	Hs.2006	(brain)	837.8873	-1.4481058
GF203	273625	N36985	Hs.26745	Hs.26745	hypothetical protein	837.8089	1.94749581
					ESTs, Highly similar to		
					peroxisomal D3,D2-enoyl-CoA		
GF202	726483	AA399269	Hs.111904	Hs.180716	isomerase [H.sapiens]	837.5861	-1.1013541
GF204	1475965	AA872985	Hs.126224	Hs.126224	ESTs	837.3574	
GF202	838149	AA451935	Hs.21466	Hs.227913	API5-like 1	836.9978	1.82009202
					Homo sapiens mRNA; cDNA		
					DKFZp434C2016 (from clone		
GF204	1584505	AA971641	Hs.17110	Hs.17110	DKFZp434C2016)	836.8013	
GF204	112571	T91083	Hs.14395	Hs.268596	ESTs	836.7524	
					Down syndrome cell adhesion		
					molecule		
GF201	290429	N64532	Hs.49002	Hs.49002	DSCAM	836.4703	
GF202	823656	AA489616	Hs.43658	Hs.43658	DKFZP586L151 protein	836.361	1.28090515
GF204	1460653	AA868745	Hs.123282	Hs.90998	KIAA0128 protein; septin 2	836.1503	
GF204	48520	H14374	Hs.25870	Hs.64753	ESTs	836.0438	
GF200	110507	T82819	Hs.15035	Hs.180958	ESTs	835.9146	-1.2256923

FO2020-86226860

## APPENDIX A

GF201	1031744	AA609598	Hs.112245	Hs.75103	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	YWHAZ	835.8508
GF200	203721	H56069	Hs.1673	Hs.151393	glutamate-cysteine ligase (gamma-glutamylcysteine synthetase), catalytic (72.8kD)	GLCLC	1.09127599
GF201	429932	AA033991	Hs.58468	Hs.269234	ESTs		835.612
GF200	207087	H48501	Hs.15460	Hs.38176	KIAA0606 protein; SCN	KIAA0606	1.68055152
GF201	51932	H22952	Hs.21266	Hs.106487	Circadian Oscillatory Protein (SCOP)	KIAA0673	835.3904
GF203	257960	N30747	Hs.22857	Hs.22857	KIAA0673 protein	KIAA0673	
GF204	1467420	AA83518	Hs.125467	Hs.14587	chord domain-containing protein 1	CHP1	1.21806369
GF200	80384	T65770	RG.68	Hs.116237	ESTs, Weakly similar to CGI-101 protein [H.sapiens]		835.0974
GF200	197051	R93153	Hs.35110	Hs.268852	vav 1 oncogene	VAV1	834.9724
GF204	1466971	AA884420	Hs.64095	Hs.64095	ESTs		834.8063
GF203	703636	AA278594	Hs.88461	Hs.231680	ESTs		834.7403
					EST		834.5464
					eukaryotic translation initiation factor 3, subunit 10 (theta, 150/170kD)	EIF3S10	
GF203	1473792	AA916914	Hs.82131	Hs.198899	DKFZP58611023 protein	DKFZP58611023	1.33209022
GF204	845771	AA773196	Hs.13623	Hs.111515	DKFZP564A122 protein	DKFZP564A122	834.4341
GF201	271699	N31577	Hs.107725	Hs.187991	Homo sapiens apoptosis-related protein PNAS-3 (PNAS-3) mRNA, partial cds		834.2024
GF201	79960	T63520	Hs.63697	Hs.177677	ESTs		834.1522
GF204	1292160	AA705814	Hs.119923	Hs.119923	ESTs		833.4677
GF201	810133	AA464251	Hs.10362	Hs.10362	ESTs		833.2899
GF201	809567	AA456611	Hs.8751	Hs.179986	flotillin 1	FLOT1	833.2447
GF202	647437	AA199586	Hs.46786	Hs.46786	ESTs		832.2952
					similar to tuftelin-interacting protein		1.08383992
GF203	1457350	AA911900	Hs.20225	Hs.20225	corneodesmosin	DKFZP434B194	-1.3525276
GF202	357785	W95595	Hs.94990	Hs.507		CDSN	-1.6693921

## APPENDIX A

GF204	1572196	AA931725	Hs.22209	Hs.22209	ESTs ESTs, Moderately similar to MIXED LINEAGE KINASE 2 [H.sapiens] ESTs Homo sapiens mRNA for KIAA1377 protein, partial cds KIAA0918 protein ESTs ESTs Homo sapiens cDNA FLJ10191 fis, clone HEMBA1004756, weakly similar to Human transporter protein mRNA ESTs, Weakly similar to C10G11.5 [C.elegans] von Hippel-Lindau syndrome extracellular matrix protein 1 KIAA1067 protein EST ESTs ESTs, Weakly similar to !!! ALU SUBFAMILY SC WARNING ENTRY !!! [H.sapiens] KIAA0788 protein solute carrier family 17 (sodium phosphate), member 1 Human ring zinc-finger protein (ZNF127-Xp) gene and 5' flanking sequence ESTs Homo sapiens mRNA for KIAA1424 protein, partial cds	832.0178	
GF200	122178	T98615	Hs.18419	Hs.166919		1.00176701	
GF202	429122	AA004803	Hs.110214	Hs.272139		-1.1136204	
GF202	743150	AA401311	Hs.97734	Hs.188790		831.7207	
GF202	343569	W69435	Hs.58009	Hs.58009		831.6135	1.81364095
GF201	33022	R44607	Hs.22672	Hs.22672		831.2382	
GF203	746163	AA417618	Hs.6615	Hs.193974		831.0611	-1.8938241
GF203	430510	AA680367	Hs.116968	Hs.165655		830.8454	1.00097375
GF200	322794	W15533	Hs.108990	Hs.43864		830.6312	-1.0233243
GF200	234856	H73054	Hs.78160	Hs.174007		830.4984	-1.0024049
GF200	301122	N79484	Hs.81071	Hs.81071		830.386	-1.4561156
GF202	502200	AA127058	Hs.24375	Hs.243901		830.2964	1.23917937
GF202	284741	N63076	Hs.48707	Hs.138746		830.2148	-1.7269531
GF203	283173	N45236	Hs.17719	Hs.17719		830.0439	1.77672918
GF204	1416142	AA878307	Hs.125389	Hs.262420		829.9079	
GF204	1564976	AA953648	Hs.15313	Hs.181043		829.4292	
GF200	246522	N73241	Hs.100001	Hs.100001		829.2823	-1.0053256
GF202	795790	AA460329	Hs.110218	Hs.7838		829.0761	1.02407011
GF200	204814	H57111	Hs.37399	Hs.221132		828.7634	-1.4731287
GF201	795277	AA454021	Hs.11611	Hs.11611		828.7524	

APPENDIX A

GF203	712379	AA281744	Hs.29879	Hs.29879	ESTs	828.7498	1.38768726
GF200	40704	R55992	Hs.75232	Hs.75232	SEC14 (S. cerevisiae)-like 1	828.7154	1.10660706
GF203	1240177	AA706339	Hs.97692	Hs.97692	ESTs	828.7003	-1.3326504
GF201	325012	AA284283	Hs.103087	Hs.221506	ESTs	828.6355	
GF201	288846	N62595	Hs.48578	Hs.48578	ESTs	828.4769	
GF202	121326	T96644	Hs.111511	Hs.194424	ESTs	828.4601	1.35505434
GF201	845355	AA644088	Hs.10029	Hs.10029	cathepsin C	828.2574	
GF203	283982	N53364	Hs.23970	Hs.23970	ESTs	828.1208	1.55400078
GF201	239662	H79560	Hs.107840	Hs.268998	ESTs	827.9943	
GF202	279058	N51682	Hs.47314	Hs.47314	ESTs	827.9024	-1.2202061
					Homo sapiens mRNA for		
GF203	814329	AA459119	Hs.24336	Hs.24336	KIAA1321 protein, partial cds	827.6964	1.4424746
GF202	121726	T98156	Hs.116461	Hs.185674	ESTs	827.2521	-1.4131408
GF200	813830	AA447774	Hs.697	Hs.697	cytochrome c-1	827.1583	1.00126502
GF203	430687	AA677880	Hs.14521	Hs.189729	ESTs	827.1514	-1.6081633
GF203	35788	R45976	Hs.113483	Hs.221797	ESTs	826.8871	1.62285157
GF202	742659	AA400277	Hs.48849	Hs.48849	ESTs	826.8281	1.21836112
GF201	305677	N89973	Hs.14658	Hs.14658	ESTs	825.9827	
					Homo sapiens cDNA		
					FLJ20258 fis, clone		
GF201	810088	AA464955	Hs.5399	Hs.28907	COLF7250	825.8068	
GF201	50689	H17046	Hs.51891	Hs.51891	ESTs	825.7937	
					polycystic kidney disease 1		
					(autosomal dominant)		
GF204	245526	N55105	Hs.122990	Hs.75813	ESTs	825.6055	
GF201	39843	R53527	Hs.26047	Hs.169457	ESTs	825.5834	
					ESTs, Moderately similar to		
					SH3-containing Grb-2-like 1		
					[H.sapiens]		
GF203	249753	H85475	Hs.10070	Hs.183294	ecotropic viral integration site	825.0117	-1.2547039
					5		
GF201	324180	W47387	Hs.26929	Hs.179747	EV15	824.9967	
GF200	380797	AA054287	Hs.61840	Hs.182225	RNA binding motif protein 3	824.829	1.4566941
					transcription elongation factor		
GF202	490947	AA136533	Hs.75477	Hs.182643	B (SIII), polypeptide 1-like	824.626	1.08705105
GF203	269416	N24070	Hs.13205	Hs.13205	ESTs	824.4157	1.37977257
GF201	418049	W90728	Hs.18612	Hs.18612	ESTs	824.2186	
GF202	417202	W87585	Hs.59043	Hs.59043	EST	824.0148	1.01740346

APPENDIX A

GF201	45645	H08753	Hs.25409	Hs.155090	hypothetical protein	DKFZp586O1922	823.824	
GF200	123926	R01515	Hs.83942	Hs.83942	cathepsin K (pseudodysostosis)	CTSK	823.7372	-1.3053538
GF201	270975	N32542	Hs.44361	Hs.179703	KIAA0129 gene product	KIAA0129	823.7125	
					NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2 (8kD, B8)	NDUFA2	823.6121	
GF204	773287	AA425211	Hs.79854	Hs.163867	ESTs		823.4996	-1.0103302
GF202	743063	AA406094	Hs.98009	Hs.98009	KIAA0599 protein	KIAA0599	823.4706	
GF201	67696	T49576	Hs.9019	Hs.198037	core promoter element binding protein	COPEB	823.3567	
GF201	510381	AA055585	Hs.76526	Hs.4055	ESTs		822.8524	1.12605213
GF203	248528	N59757	Hs.130838	Hs.130838	protocadherin 8	PCDH8	822.6282	
GF201	52594	H29216	Hs.19492	Hs.19492	transcriptional adaptor 2 (ADA2, yeast, homolog)-like	TADA2L	822.0363	
GF204	855788	AA664041	Hs.116931	Hs.125156	phenylalanyl-tRNA synthetase beta-subunit	PheHB	821.9415	1.72577064
GF203	815072	AA465180	Hs.9081	Hs.9081	ESTs		821.9004	
GF204	41092	R56863	Hs.6970	Hs.164557	ESTs		821.782	-1.5406013
GF202	743029	AA406071	Hs.97974	Hs.193737	synaptotagmin 5	SYT5	821.7105	
GF201	192271	H39018	Hs.23179	Hs.23179	ESTs		821.6631	
GF201	795687	AA459937	Hs.97458	Hs.177948	KIAA0088 protein	KIAA0088	821.5832	1.01673602
GF200	229537	H67274	Hs.76847	Hs.76847	ESTs		821.4109	-2.0262435
GF202	731254	AA420989	Hs.97896	Hs.97896	ESTs		821.38	-1.3755272
GF203	35783	R45380	Hs.23163	Hs.23163	ESTs		821.2456	
GF201	770672	AA476273	Hs.106781	Hs.7724	KIAA0963 protein	KIAA0963		
					ESTs, Weakly similar to C44B9.1 [C.elegans]		820.8251	-1.7362079
GF202	38350	R49442	Hs.12244	Hs.12244	GATA-binding protein 1 (globin transcription factor 1)	GATA1	820.8199	1.00045652
GF200	126368	R06446	Hs.765	Hs.765	prostate cancer associated protein 1	PCANAP1	820.7762	
GF201	244796	N52554	Hs.102672	Hs.118258	ESTs		820.6049	-1.7439209
GF202	731444	AA412435	Hs.98129	Hs.98129	KIAA0582 protein	KIAA0582	820.326	
GF201	796747	AA443147	Hs.6875	Hs.79507	activated leucocyte cell adhesion molecule	ALCAM	820.1846	1.02969829
GF200	26617	R13558	Hs.10247	Hs.10247	ESTs		820.1265	
GF201	46933	H10051	Hs.22469	Hs.22469				



APPENDIX A

GF201	22908	R43572	Hs.13297	Hs.13297	ESTs	820.1174	
					Homo sapiens mRNA; cDNA		
GF203	38598	R49126	Hs.123873	Hs.30957	DKFZp434E0626 (from clone	820.0994	1.02206234
GF201	244305	N54793	Hs.47862	Hs.269088	DKFZp434E0626)	820.0406	
					ESTs		
GF203	384567	AA708886	Hs.115241	Hs.275353	guanine nucleotide binding	819.9532	1.00820269
GF200	154795	R55640	Hs.26438	Hs.26438	protein (G protein), beta 5	819.868	1.55581266
GF203	180785	R87698	Hs.107809	Hs.107809	ESTs	819.6445	-1.6960054
GF203	788629	AA449823	Hs.18166	Hs.18166	KIAA0726 gene product	819.481	-1.2820006
GF201	305302	N95059	Hs.55098	Hs.55098	KIAA0870 protein	819.1751	
GF202	731271	AA416690	Hs.98251	Hs.98251	ESTs	818.9631	-1.3884484
GF203	31475	R42871	Hs.23210	Hs.23210	ESTs	818.4605	-1.0722666
GF204	1048672	AA608845	Hs.116335	Hs.116335	ESTs	818.3592	
GF200	171936	H19068	Hs.89692	Hs.114215	hippocalcin	818.1776	1.11129937
GF201	303139	N90806	Hs.13528	Hs.13528	ESTs	818.0576	
GF202	1031113	AA609914	Hs.112784	Hs.112784	ESTs	817.9655	-2.3199401
GF201	279232	N46335	Hs.57483	Hs.57483	ESTs	817.8994	
GF201	376789	AA047568	Hs.31652	Hs.31652	ESTs	817.8958	
GF202	742555	AA400434	Hs.97799	Hs.97799	ESTs	817.8691	-1.5122956
GF203	196826	R93069	Hs.35031	Hs.35031	ESTs	817.7364	-1.3629755
					ESTs, Weakly similar to		
					Similarity with snail BR-1		
GF203	814443	AA459249	Hs.8715	Hs.8715	protein [C.elegans]	817.4728	1.21593094
GF200	840333	AA485401	Hs.82432	Hs.82432	KIAA0089 protein	817.376	-1.122843
GF200	809557	AA455786	Hs.82479	Hs.179565	minichromosome maintenance	817.3503	1.51045747
					deficient (S. cerevisiae) 3		
					Homo sapiens cDNA		
GF202	773509	AA427953	Hs.112030	Hs.67619	FLJ10533 fis, clone	817.2417	-2.0818786
GF200	712341	AA405000	Hs.8297	Hs.8297	NT2RP2001056	817.2302	-1.1221435
GF203	813390	AA458625	Hs.16552	Hs.16552	ribonuclease 6 precursor	817.1692	1.34332238
					ESTs		
					cytochrome P450, subfamily		
GF201	724888	AA291484	Hs.687	Hs.687	IVB, polypeptide 1	817.0256	
					CYP4B1		

APPENDIX A

GF200	45632	H08446	Hs.772	Hs.772	glycogen synthase 1 (muscle) ESTs	GYS1	816.9238	-1.1685048
GF201	46477	H09966	Hs.4246	Hs.193235	EST, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!!		816.7727	
GF202	32186	R42671	Hs.22192	Hs.140853	[H.sapiens] ubiquitin-conjugating enzyme		816.6705	-1.1433371
GF202	771295	AA443634	Hs.108912	Hs.192853	E2G 2 (homologous to yeast UBC7)	UBE2G2	816.5618	-1.2273992
GF204	22328	T89077	Hs.13277	Hs.13277	ESTs		816.4612	
GF200	382787	AA069596	Hs.65233	Hs.182231	thyrotropin-releasing hormone	TRH	816.2583	-1.1939357
GF202	796867	AA496247	Hs.73619	Hs.250786	ESTs		816.2086	-1.9981344
GF201	377491	AA055399	Hs.106452	Hs.129869	ESTs, Weakly similar to !!!! ALU CLASS C WARNING		816.1898	
GF203	665674	AA194043	Hs.54421	Hs.250882	ENTRY !!!! [H.sapiens] bradykinin receptor B2	BDKRB2	816.1636	-1.2463073
GF202	768515	AA496002	Hs.27345	Hs.169577	ESTs, Weakly similar to coded for by C. elegans cDNA yk20f8.5 [C.elegans]		816.081	-1.3431185
GF204	745216	AA626868	Hs.115986	Hs.21189	HIRA interacting protein 4 (dnaJ-like)	HIRIP4	816.079	
GF203	32696	R43604	Hs.8077	Hs.8077	Homo sapiens clone 23555 mRNA sequence		816.0008	-1.3476188
GF204	1020543	AA788918	Hs.122373	Hs.238784	EST		815.8588	
GF202	842927	AA486445	Hs.27259	Hs.183294	ESTs, Moderately similar to SH3-containing Grb-2-like 1 [H.sapiens]		815.6918	-1.0032525
GF201	365973	AA063637	Hs.3873	Hs.3873	palmitoyl-protein thioesterase 1 (ceroid-palmitoyl-palmitoyl- protein thioesterase 1 (ceroid- lipofuscinosis, neuronal 1, infantile) neuronal 1, infantile)	PPT1	815.6655	
GF200	810213	AA464525	Hs.82112	Hs.82112	interleukin 1 receptor, type I	IL1R1	815.6221	1.25793161
GF201	26249	R20729	Hs.75149	Hs.75149	SH3-domain GRB2-like 2	SH3GL2	815.6194	

APPENDIX A

GF202	341643	W58344	Hs.103120	Hs.103120	ESTs ESTs, Weakly similar to predicted using Genefinder [C.elegans] KIAA0824 protein ESTs potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1 ESTs ESTs dynein, cytoplasmic, light polypeptide catalase Human ring zinc-finger protein (ZNF127-Xp) gene and 5' flanking sequence potassium large conductance calcium-activated channel, subfamily M, beta member 1 ESTs v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein) ESTs NGFI-A binding protein 2 (ERG1 binding protein 2) NGFI-A binding protein 2 (ERG1 binding protein 2) ESTs ESTs synaptophysin-like protein interleukin 1, beta ESTs apolipoprotein C-I	815.5845  815.4804 815.3524 815.0186  814.6985 814.5246 814.3893  814.2916 814.1255  814.0408  813.9421 813.9279  813.8195 813.6956  813.4072  813.4072 813.1699 813.0551 812.4624 812.428 812.2524 812.2496	1.12230741  1.7942746 1.0568214 2.09101694  1.74405581       -1.1559908  -1.1828657  -1.3363067  -1.3363067    1.14960186 -1.1988125
GF202	950768	AA608631	Hs.86347	Hs.86347			
GF202	510060	AA053411	Hs.5579	Hs.123654			
GF203	268338	N23390	Hs.126497	Hs.126497			
GF201	249687	H85454	Hs.64254	Hs.117780			
GF201	46471	H09778	Hs.28241	Hs.28241			
GF200	78294	T50788	Hs.63515	Hs.273644			
GF201	853938	AA644679	Hs.5120	Hs.5120			
GF201	49410	H15685	Hs.107514	Hs.76359			
GF201	771048	AA427395	Hs.26031	Hs.7838			
GF201	470122	AA029299	Hs.2417	Hs.93841			
GF202	951242	AA620479	Hs.28620	Hs.161489			
GF200	322617	W39343	Hs.76960	Hs.250811			
GF204	1505908	AA907727	Hs.65732	Hs.65732			
GF200	770868	AA434487	Hs.111155	Hs.159223			
GF200	770868	AA434487	Hs.80436	Hs.159223			
GF201	266531	N22711	Hs.8172	Hs.8172			
GF204	1468063	AA889403	Hs.125956	Hs.125956			
GF201	770444	AA430698	Hs.80919	Hs.80919			
GF201	491763	AA150507	Hs.76136	Hs.126256			
GF203	815242	AA481269	Hs.49232	Hs.178381			
GF203	1472689	AA873159	Hs.2296	Hs.268571			

T02020" 36226860

## APPENDIX A

GF203	743811	AA634381	Hs.5273	Hs.5273	NADH dehydrogenase (ubiquinone) Fe-S protein 3 (30kD) (NADH-coenzyme Q reductase)	NDUFS3	812.1146	-1.6015239
GF203	454219	AA677112	Hs.117035	Hs.117035	ESTs		812.1124	-2.2585045
GF200	544664	AA074666	Hs.78825	Hs.266476	ESTs		811.5957	-1.3740838
GF202	838692	AA457253	Hs.109727	Hs.109727	TAK1-binding protein 2; KIAA0733 protein	KIAA0733	811.5893	-1.2866422
GF204	878699	AA775379	Hs.6351	Hs.6351	cleavage and polyadenylation specific factor 4, 30kD subunit	CPSF4	811.4019	
GF204	712600	AA281930	Hs.110099	Hs.110099	core-binding factor, runt domain, alpha subunit 2; translocated to, 3	CBFA2T3	811.3267	
GF201	232697	H72683	Hs.98673	Hs.6820	ESTs, Weakly similar to putative [C.elegans]		811.1472	
GF201	868169	AA633835	Hs.83122	Hs.180878	lipoprotein lipase	LPL	810.9609	
GF201	50930	H19129	Hs.107547	Hs.124752	fibroblast growth factor 12	FGF12	810.9293	
GF202	262313	H99460	Hs.108873	Hs.108873	ESTs		810.8508	-1.4110092
GF201	264646	N20338	Hs.24756	Hs.24756	human growth factor-regulated tyrosine kinase substrate	HGS	810.8183	
GF201	504372	AA142842	Hs.28781	Hs.154993	ESTs		810.7672	
GF203	28927	R40373	Hs.26299	Hs.26299	ESTs		810.2458	-2.7560513
GF203	811764	AA463444	Hs.67201	Hs.67201	5'(3')-deoxyribonucleotidase; RB-associated KRAB repressor	DNT	810.1394	-1.0439948
GF202	277513	N56968	Hs.46707	Hs.46707	chromosome 21 open reading frame 37	C21ORF37	809.9522	1.04856672
GF203	281846	N51823	Hs.21371	Hs.21371	son of sevenless (Drosophila) homolog 1	SOS1	809.7787	1.34210153
GF203	754485	AA410190	Hs.98076	Hs.98076	ESTs		809.6378	-1.7800237
GF201	73550	T55569	Hs.9911	Hs.9911	ESTs		809.3984	
GF200	726236	AA293744	Hs.1873	Hs.155606	paired mesoderm homeo box 1	PMX1	809.3552	-1.3023658

T.D.2020" 86226860

## APPENDIX A

GF201	359597	AA010818	Hs.108205	Hs.100469	myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 4 EST ESTs ESTs, Weakly similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens] Mad4 homolog DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 8 (RNA helicase) ESTs ESTs ESTs	MLLT4	809.2006
GF202	296748	N74052	Hs.50424	Hs.50424			809.0189
GF202	298091	N70756	Hs.49921	Hs.226071			808.7076
							-1.0609263 -1.2317954
GF200	230247	H94934	Hs.14907	Hs.165357	MAD4		808.6608
GF202	730036	AA416970	Hs.25230	Hs.102402			808.5283
GF202	809600	AA458473	Hs.112056	Hs.171872	DDX8		808.5035
GF203	746169	AA417622	Hs.88865	Hs.184067			808.0562
GF203	197221	R92773	Hs.105791	Hs.105791			807.6451
GF202	594806	AA171426	Hs.73232	Hs.73232			807.5668
GF201	809621	AA458502	Hs.97482	Hs.77965	Cik-associating RS-cyclophilin small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-jø)	CYP	807.5148
GF200	768561	AA425102	Hs.340	Hs.340	ESTs, Weakly similar to hypothetical protein [H.sapiens] ESTs ESTs G protein pathway suppressor 2	SCYA2	807.3604
GF202	772880	AA479883	Hs.11500	Hs.11500	ESTs, Weakly similar to hypothetical protein [H.sapiens] ESTs ESTs G protein pathway suppressor 2		807.2863
GF203	48033	H11760	Hs.23606	Hs.23606			807.1772
GF203	278523	N66156	Hs.76639	Hs.76639			806.9421
GF204	1584503	AA971634	Hs.3244	Hs.7301		GPS2	806.9008
GF204	878633	AA775291	Hs.41793	Hs.41793	Homo sapiens cDNA FLJ10886 fis, clone NT2RP4001966		806.7912
GF202	263870	N50782	Hs.47113	Hs.231713	EST cadherin 11 (OB-cadherin, osteoblast)		806.6512
GF200	251685	H96738	Hs.75929	Hs.75929		CDH11	806.5589
							1.31237211

APPENDIX A

GF203	825740	AA504844	Hs.1098	DKFZp434J1813 protein similar to rat HREV107	DKFZP434J1813	806.5323	-1.2532538
GF200	785293	AA476543	Hs.37189	Homo sapiens cDNA FLJ10991 fis, clone PLACE1002072	HREV107	806.184	-1.3623807
GF202	773640	AA433885	Hs.61508	ESTs		806.0536	1.4109241
GF204	360388	AA013477	Hs.240728	programmed cell death 4	PDCD4	805.8318	
GF201	210486	H65478	Hs.100407	ESTs		805.7225	
GF201	133860	R27975	Hs.269401	ESTs		805.718	
GF203	433328	AA700583	Hs.113163	ESTs		805.3971	1.16173261
GF202	285680	N67570	Hs.110293	ESTs		805.2611	-1.0687563
GF200	549101	AA083577	Hs.275245	EST		805.2578	2.10268388
GF200	52327	H23459	Hs.172350	HIR (histone cell cycle regulation defective, S. cerevisiae) homolog A	HIRA	805.1575	-1.0193905
GF200	163528	H14208	Hs.78482	paralemmin	PALM	805.0069	-2.037249
GF202	609209	AA167120	Hs.72652	ESTs		804.9442	-1.1264094
GF200	123561	R00822	Hs.75621	ESTs		804.892	1.43256216
GF200	246869	N59119	Hs.62112	zinc finger protein 207	ZNF207	804.7919	1.1384791
GF201	417761	W88725	Hs.59197	ESTs		804.7617	
GF203	399563	AA733073	Hs.120332	EST		804.517	-1.3800588
GF203	785642	AA449068	Hs.66493	ESTs, Weakly similar to Similarity with snail BR-1 protein [C.elegans]		804.2888	-1.8531472
GF203	430717	AA678095	Hs.201392	ESTs, Weakly similar to orphan G protein-coupled receptor HG38 [H.sapiens]		804.2675	1.31364303
GF203	416404	W86868	Hs.124744	ESTs		804.1707	-1.045169
GF200	42880	R59697	Hs.25283	cyclin-dependent kinase 8	CDK8	804	-1.161823
GF202	266823	N24115	Hs.43266	ESTs		803.6592	-1.2657874
GF201	786680	AA451895	Hs.79274	annexin A5	ANXA5	803.5749	
GF201	366358	AA026276	Hs.61339	ESTs		803.2943	
GF201	855390	AA663995	Hs.83879	minichromosome maintenance deficient (mis5, S. pombe) 6	MCM6	803.0984	
GF200	785816	AA449762	Hs.23517	interleukin enhancer binding factor 3, 90kD	ILF3	802.9485	1.07848409

APPENDIX A

GF201	740742	AA479691	Hs.75912	Hs.75912	KIAA0257 protein ESTs, Weakly similar to serine/threonine-specific protein kinase [M.musculus]	KIAA0257	802.8997
GF202	729929	AA412184	Hs.106499	Hs.6163	ESTs		802.8309
GF201	32737	R43093	Hs.52199	Hs.167388	ESTs		802.8101
GF201	260142	N32057	Hs.42254	Hs.42254	ESTs		802.6219
GF202	35626	R45292	Hs.6491	Hs.75013	ESTs		802.608
					Homo sapiens mRNA; cDNA		1.20637176
GF203	725405	AA292086	Hs.4105	Hs.4105	DKFZp586A0618 (from clone DKFZp586A0618)		802.2007
					seizure related gene 6		-1.8493421
GF201	49937	H29013	Hs.100212	Hs.194766	(mouse)-like	SEZ6L	802.1563
GF204	1049216	AA620708	Hs.11962	Hs.11962	ESTs		801.9045
GF202	415988	W85822	Hs.58742	Hs.58742	ESTs		801.8776
					Homo sapiens CAC-1 mRNA, partial cds		801.8618
GF203	151620	H03961	Hs.109748	Hs.109748	ESTs, Weakly similar to CAMP-DEPENDENT PROTEIN KINASE		-2.0057241
					INHIBITOR, MUSCLE/BRAIN FORM [H.sapiens]		
GF201	428431	AA004415	Hs.24196	Hs.106106	EST		801.2727
GF202	292982	N69100	Hs.49609	Hs.49609	EST		801.2465
					Homo sapiens cDNA FLJ10718 fis, clone		1.01221351
					NT2RP3001096, weakly similar to Rattus norvegicus		
GF204	1472797	AA873182	Hs.42824	Hs.42824	leprecan mRNA		801.1014
GF202	742707	AA400108	Hs.111911	Hs.111911	ESTs		800.8508
GF201	76182	T59665	Hs.29756	Hs.107253	ESTs		800.7368
GF204	450427	AA682797	Hs.117104	Hs.191891	ESTs		800.6783
					polyadenylate binding protein- interacting protein 1	PAIP1	800.6763
GF202	897813	AA598533	Hs.109643	Hs.109643	damage-specific DNA binding protein 1 (127kD)	DDB1	-1.2409232
GF203	279482	N48804	Hs.118005	Hs.108327	ESTs		800.5865
GF201	782712	AA447971	Hs.28827	Hs.28827	ESTs		800.5484
GF203	455179	AA676899	Hs.3923	Hs.170218	KIAA0251 protein	KIAA0251	800.4979
							-1.4826029

FO2020-86226860

## APPENDIX A

Homo sapiens cDNA				
				FLJ11302 fis, clone
GF200	108351	T70612	Hs.13781	PLACE1009971
GF202	796598	AA461443	Hs.8054	CGI-68 protein
GF200	124042	R02680	Hs.18693	ESTs
GF200	110904	T82944	Hs.15088	ESTs
GF203	39586	R51908	Hs.106417	DKFZP434D1335 protein
GF201	289417	N63951	Hs.48901	ESTs
				Homo sapiens mRNA; cDNA
GF201	782476	AA431753	Hs.107056	DKFZp434N103 (from clone
GF200	785744	AA448941	Hs.3745	DKFZp434N103)
GF200	294916	N71457	Hs.50037	DKFZP586K0524 protein
				ESTs, Weakly similar to zinc
				finger protein [H.sapiens]
				potassium voltage-gated
				channel, KQT-like subfamily,
				member 3
				trinucleotide repeat containing
				3
				Homo sapiens mRNA for
				KIAA1325 protein, partial cds
				neural precursor cell
				expressed, developmentally
				down-regulated 5
				ESTs
				microtubule-associated
				protein, RP/EB family,
				member 3
				glutathione reductase
				Homo sapiens mRNA; cDNA
				DKFZp434M2216 (from clone
				DKFZp434M2216)
				hypothetical protein
				ribosomal protein L15
				fibroblast growth factor 2
				(basic)
				FGF2



702020" 86226860

Westbrook et al.

Atty Docket No. 21726/92526

APPENDIX A

GF202	25922	R36947	Hs.118081	Hs.250712	calcium channel, voltage-dependent, beta 3 subunit Homo sapiens cDNA FLJ20139 fis, clone COL07179	CACNB3	797.709	1.02315836
GF203	199577	R96579	Hs.121559	Hs.121559	ESTs		797.5562	1.38095393
GF201	795322	AA454165	Hs.53455	Hs.53455	ESTs		797.2697	
GF201	291464	N72848	Hs.42555	Hs.171689	putative selenocysteine lyase	SCLY	797.1766	
GF204	1610453	AA991864	Hs.44049	Hs.44049	ESTs, Highly similar to RAS-RELATED PROTEIN RAB-1A [M.musculus]		797.143	
GF202	770685	AA476287	Hs.5566	Hs.5566	retinoblastoma-binding protein 6		797.0732	-1.1464367
GF201	361239	AA016290	Hs.85273	Hs.85273	hepatic leukemia factor	RBBP6	796.7642	
GF200	296587	W00959	Hs.1488	Hs.250692	splicing factor 3b, subunit 1, 155kD	HLF	796.5574	-1.2274521
GF204	1256764	AA876198	Hs.14571	Hs.13453	ESTs	SF3B1	796.3694	
GF202	375800	AA033832	Hs.61687	Hs.212433	ESTs, Weakly similar to predicted using Genefinder		796.1578	1.67952068
GF204	462159	AA705409	Hs.57844	Hs.57844	[C.elegans] Homo sapiens clone 23718		796.1046	
GF202	951265	AA620503	Hs.6580	Hs.6580	mRNA sequence		796.0448	1.16449488
GF203	22716	R45257	Hs.128786	Hs.267194	ESTs		795.6904	-1.9387939
GF203	156033	R72432	Hs.106387	Hs.166154	jagged 2 signal sequence receptor, gamma (translocon-associated protein gamma)	JAG2	795.6557	1.36847708
GF201	795353	AA453487	Hs.27034	Hs.28707		SSR3	795.6012	

FILED "86226860

## APPENDIX A

Human DNA sequence from clone 967N21 on chromosome 20p12.3-13. Contains the CHGB gene for chromogranin B (secretogranin 1, SCG1), a pseudogene similar to part of KIAA0172, the gene for a novel protein similar to predicted worm, yeast and plant proteins, ESTs ESTs KIAA0592 protein microsomal glutathione S- transferase 1 ESTs ESTs DEAD/H (Asp-Glu-Ala- Asp/His) box polypeptide 3 EST collagen, type V, alpha 1 ESTs ESTs, Weakly similar to !!! ALU SUBFAMILY SC WARNING ENTRY !!!! [H.sapiens] ESTs ESTs ESTs									
GF203	138255	R56840	Hs.92625	Hs.88959				795.5457	-2.66754
GF201	415688	W84714	Hs.108070	Hs.268903				795.5186	
GF204	878488	AA775818	Hs.99578	Hs.99578				795.4601	
GF204	1573087	AA970720	Hs.13273	Hs.13273		KIAA0592		795.2872	
GF200	768443	AA495936	Hs.790	Hs.790		MGST1		795.2372	1.77900817
GF204	460247	AA677492	Hs.125168	Hs.269520				795.2237	
GF203	135610	R32893	Hs.95097	Hs.95097				795.1492	1.41672646
GF201	745188	AA626845	Hs.14990	Hs.147916		DDX3		794.8989	
GF202	277189	N40953	Hs.45093	Hs.45093				794.8315	1.0197663
GF204	378271	AA777053	Hs.121891	Hs.146428		COL5A1		794.7209	
GF204	878557	AA775877	Hs.121832	Hs.199172				794.5703	
GF204	1055664	AA628209	Hs.116213	Hs.260556				794.265	
GF204	897547	AA497010	Hs.75817	Hs.144504				794.2552	
GF204	1031050	AA609872	Hs.99601	Hs.99601				793.9955	
GF203	811834	AA463628	Hs.49423	Hs.49423				793.9784	1.1081671
GF200	80109	T63324	Hs.53875	Hs.198253		HLA-DQA1		793.973	1.55845703
GF200	80109	T63324	Hs.83231	Hs.198253		HLA-DQA1		793.973	1.55845703

## APPENDIX A

GF201	136351	R33498	Hs.51335	Hs.109748	Homo sapiens CAC-1 mRNA, partial cds	793.8692	-1.9814348
GF203	786545	AA452134	Hs.28329	Hs.28329	ESTs	793.8548	
GF201	127487	R09056	Hs.16312	Hs.16312	ESTs	793.8037	
GF203	823907	AA490502	Hs.106768	Hs.106768	Homo sapiens cDNA FLJ10511 fis, clone NT2RP2000656	793.7375	2.07177417
GF204	1493278	AA878951	Hs.125734	Hs.64311	a disintegrin and metalloproteinase domain 17 (tumor necrosis factor, alpha, converting enzyme)	793.6827	
GF201	782806	AA448187	Hs.97721	Hs.97721	ESTs	793.5677	
GF201	84695	T74566	Hs.12196	Hs.168350	KIAA0554 protein	793.3736	
GF200	127173	R08153	Hs.16629	Hs.268617	ESTs	793.2919	-1.1468107
GF203	131412	R23260	Hs.23492	Hs.23492	ESTs	793.1572	1.03070877
GF202	950410	AA599064	Hs.87461	Hs.199647	ESTs	793.1459	-1.5331512
GF201	271198	N30428	Hs.82010	Hs.75772	nuclear receptor subfamily 3, group C, member 1	793.1408	
GF202	282591	N52090	Hs.47420	Hs.47420	EST	793.0089	-2.1173016
GF200	244815	N54425	Hs.47823	Hs.47823	ESTs	792.9399	-1.212896
GF200	296168	N74365	Hs.50485	Hs.220888	ESTs	792.7355	-1.2335351
GF203	1474174	AA936799	Hs.111301	Hs.111301	matrix metalloproteinase 2 (gelatinase A, 72kD)	792.6981	1.02460598
GF202	788317	AA450024	Hs.12598	Hs.12598	gelatinase, 72kD type IV collagenase)	792.488	-1.3503636
GF200	712023	AA281616	Hs.101842	Hs.101842	T-cell lymphoma invasion and metastasis 2	792.0061	1.23980074
GF203	395708	AA757754	Hs.100058	Hs.100058	AT-binding transcription factor 1	791.8349	2.0320072
GF200	296838	W01211	Hs.50454	Hs.268839	dihydropyrimidinase-like 4	791.7549	-1.170993
GF201	263002	H99738	Hs.106872	Hs.238679	ESTs		
GF200	129567	R14894	Hs.20794	Hs.20794	Homo sapiens mRNA; cDNA DKFZp761H171 (from clone DKFZp761H171); partial cds	791.6219	-1.0183504

APPENDIX A

GF203	362278	AA001219	Hs.25379	Hs.107055	STAT induced STAT inhibitor 3	SSI-3	791.5091	-1.1434953
GF204	1293121	AA682242	Hs.117219	Hs.183957	ESTs		791.4973	
GF202	61412	T40905	Hs.90463	Hs.90463	ESTs		791.4803	1.53248588
					translocase of inner mitochondrial membrane 23 (yeast) homolog	TIM23	791.321	
GF201	83279	T68317	Hs.11866	Hs.11866	Homo sapiens mRNA; cDNA DKFZp586A191 (from clone DKFZp586A191)		791.1937	1.02756412
GF200	299442	W05442	Hs.77135	Hs.77135	EST		791.1815	-2.1651511
GF202	1031562	AA609289	Hs.112679	Hs.112679	Homo sapiens cDNA FLJ11336 fis, clone PLACE1010661, weakly similar to TESTIS-SPECIFIC PROTEIN PBS13			
GF202	37385	R51067	Hs.22383	Hs.22383	ESTs		791.1296	-1.5705335
GF204	454188	AA677082	Hs.117029	Hs.117029	kelch (Drosophila)-like 3	KLHL3	790.9443	
GF203	38582	R51524	Hs.101108	Hs.7388	ESTs		790.8888	-1.4458018
GF201	258120	N30868	Hs.43936	Hs.43936	hypothetical protein	HSPC195	790.7688	
GF200	139354	R63735	Hs.15093	Hs.15093	ESTs, Moderately similar to SH3 domain-binding protein		790.5321	1.13410974
					SNP70 [H.sapiens]		790.532	-1.030363
GF203	768573	AA425107	Hs.97016	Hs.97016	ESTs, Weakly similar to KIAA0693 protein [H.sapiens]		790.5059	
GF201	841307	AA487223	Hs.9774	Hs.9774	translocase of outer mitochondrial membrane 70 (yeast) homolog A	TOMM70A	790.4344	-1.4617089
GF200	198312	R94191	Hs.108493	Hs.21198	ESTs		789.5647	
GF204	1492287	AA888225	Hs.22660	Hs.22660	KIAA0697 protein	KIAA0697	789.3742	
GF204	855625	AA664111	Hs.12329	Hs.12329	ESTs		789.1639	
GF201	782244	AA431715	Hs.53652	Hs.53652	ESTs		788.9542	-1.7795629
GF200	293457	N94043	Hs.97927	Hs.97927	MAX protein	MAX	788.9045	
GF201	262821	H99639	Hs.42712	Hs.42712				

APPENDIX A

GF203	462595	AA705112	Hs.42915	Hs.42915	Homo sapiens molybdenum cofactor biosynthesis protein A and molybdenum cofactor biosynthesis protein C mRNA, complete cds	788.5337	1.17410714
GF204	48704	H16171	Hs.101727	Hs.106671	cleft lip and palate associated transmembrane protein 1	788.2097	
GF201	244931	N54540	Hs.107961	Hs.269085	ESTs, Weakly similar to hU1-70K protein [H.sapiens]	788.1682	
GF201	73222	T57221	Hs.110258	Hs.38931	ESTs	788.1205	
					ESTs, Weakly similar to !!!!		
					ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
GF204	1554917	AA954669	Hs.127343	Hs.127343	[H.sapiens]	787.9597	
GF202	296719	N74042	Hs.50421	Hs.237562	EST	787.6738	-1.6709973
					ESTs, Weakly similar to		
GF201	502068	AA126828	Hs.57887	Hs.57887	KIAA0758 protein [H.sapiens]	787.6639	
					ESTs, Moderately similar to		
					POLYADENYLATE-BINDING		
GF201	75059	T50370	Hs.109818	Hs.251946	PROTEIN 1 [H.sapiens]	787.631	
GF202	50975	H17134	Hs.112830	Hs.268783	ESTs	787.5079	1.08135728
GF202	47426	H11086	Hs.31023	Hs.31023	EST	787.4545	-1.2308912
					Huntingtin interacting protein E HYPE		
GF202	1031182	AA609955	Hs.112793	Hs.234961	ESTs	787.0806	-1.4302357
GF201	322923	W45031	Hs.55878	Hs.55878	RNA binding motif protein 8	786.8504	
GF201	781366	AA448402	Hs.65648	Hs.65648	EST	786.8496	
GF204	146531	R79342	Hs.113721	Hs.144022	glycoprotein hormones, alpha polypeptide	786.8182	
					Homo sapiens mRNA; cDNA		
GF201	454908	AA677403	Hs.119689	Hs.119689	DKFZp434H1215 (from clone DKFZp434H1215); partial cds	786.8039	
					ESTs		
GF203	704440	AA279648	Hs.10069	Hs.177998	L3 pigment	786.7964	-1.1673138
GF201	271471	N35025	Hs.44055	Hs.44055		786.6159	
GF203	739450	AA477227	Hs.110379	Hs.272674		786.558	-1.6760767

APPENDIX A

GF201	809528	AA454571	Hs.103682	Hs.103682	ESTs	786.2944	
GF202	253725	N21972	Hs.43052	Hs.43052	ESTs	785.9579	-1.1587965
GF204	462652	AA704999	Hs.119861	Hs.119861	ESTs	785.7939	
GF201	244896	N54512	Hs.10749	Hs.269084	ESTs	785.7681	
					ESTs, Highly similar to		
					RasGAP-related protein		
GF204	432114	AA679303	Hs.125194	Hs.272113	[H.sapiens]	785.7636	
					Homo sapiens partial mRNA		
					for NICE-4 protein, 3' end,		
GF200	245015	N52646	Hs.8127	Hs.273229	clone 1056f5	785.6834	-1.7130927
GF202	588139	AA132172	Hs.19107	Hs.19107	ESTs	785.6501	1.10314902
					ESTs, Weakly similar to !!!!		
					ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
GF203	41888	R67283	Hs.22529	Hs.22529	[H.sapiens]	785.5647	-1.1350506
					NIMA (never in mitosis gene		
GF203	462926	AA682321	Hs.80896	Hs.153704	a)-related kinase 2	785.5185	1.15445027
GF202	285798	N69332	Hs.54245	Hs.54245	ESTs	785.4093	1.31949969
					CGG triplet repeat binding		
GF203	815208	AA481248	Hs.107587	Hs.86041	protein 1	785.3777	-1.0714875
GF201	810957	AA459399	Hs.41393	Hs.32312	KIAA0356 gene product	785.1245	
					membrane cofactor protein		
					(CD46, trophoblast-		
					lymphocyte cross-reactive		
					antigen)		
GF200	796994	AA463544	Hs.83532	Hs.83532	ESTs	785.1172	1.58794186
GF202	773265	AA425325	Hs.98427	Hs.98427	ESTs	785.0964	1.19680524
GF201	277003	N34967	Hs.11614	Hs.11614	ESTs	784.5983	
					nucleosome assembly protein		
					1-like 3		
GF200	797059	AA463251	Hs.21365	Hs.21365	ESTs	784.4346	1.2406045
GF201	52339	H23278	Hs.8037	Hs.8037	ESTs	784.4246	
GF204	455156	AA676822	Hs.117093	Hs.117093	ESTs	784.4149	
					Homo sapiens cDNA		
					FLJ11265 fis, clone		
GF200	773233	AA425259	Hs.100498	Hs.274439	PLACE1009158	784.1853	-1.0091231

T02020" 86226860

## APPENDIX A

GF202	626462	AA188999	Hs.92308	Hs.92308	Homo sapiens cDNA FLJ11223 fis, clone PLACE1008209	784.1786	1.13938584
GF200	204614	H56918	Hs.113403	Hs.239483	Human clone 23933 mRNA sequence	784.1149	2.14786426
GF200	204614	H56918	Hs.74850	Hs.239483	Human clone 23933 mRNA sequence	784.1149	2.14786426
GF204	1291999	AA707494	Hs.120019	Hs.120019	EST	784.0931	
GF204	845435	AA644547	Hs.55028	Hs.55028	ESTs	783.9967	
GF202	1031741	AA609606	Hs.112732	Hs.191956	ESTs	783.887	-1.5903064
GF204	1573520	AA953999	Hs.7158	Hs.7158	DKFZP566H073 protein	783.8513	
GF202	321807	W33182	Hs.109843	Hs.109843	ESTs	783.8367	1.02583798
GF200	295985	N67039	Hs.15661	Hs.180059	Homo sapiens cDNA FLJ20653 fis, clone KAT01739	783.808	2.03453773
GF203	1492104	AA888148	Hs.100155	Hs.251653	tubulin, beta, 2 ESTs, Weakly similar to katanin p80 subunit	783.7247	-1.2379535
GF202	950395	AA599058	Hs.19574	Hs.19574	[H.sapiens]	783.4122	1.63774926
GF202	285466	N66399	Hs.49193	Hs.49193	EST	783.403	-1.1347312
GF204	109879	T88731	Hs.108373	Hs.155218	E1B-55kDa-associated protein 5	783.3802	
GF203	1323328	AA872602	Hs.1019	Hs.1019	parathyroid hormone receptor 1	783.3029	1.08521001
GF204	624667	AA181978	Hs.55046	Hs.55046	ESTs, Moderately similar to CGI-92 protein [H.sapiens]	783.2513	
GF201	262023	H98683	Hs.102378	Hs.154054	ESTs	783.1656	
GF202	549035	AA083207	Hs.68270	Hs.68270	EST	782.9795	-1.0889404
GF203	450744	AA704483	Hs.72080	Hs.72080	ESTs	782.9681	-1.4022227
GF203	211234	H67678	Hs.117846	Hs.172323	cytochrome P450, subfamily IIIA, polypeptide 7	782.5276	-1.25025533
GF201	810237	AA464708	Hs.29910	Hs.211539	eukaryotic translation initiation factor 2, subunit 3 (gamma, 52kD)	782.3878	
GF203	824237	AA491249	Hs.8461	Hs.171774	ESTs, Highly similar to HSPC016 [H.sapiens]	782.3284	1.58928677

APPENDIX A

GF202	743065	AA405981	Hs.98011	Hs.262643	ESTs	782.2075	-2.2691786
					Human DNA sequence from clone RP5-860F19 on chromosome 20p12.3-13. Contains the gene for a novel protein similar to olfactory neuronal transcription factors (COE1, COE2, COE3, EBF3, OLF1), an RPL19 (60S ribosomal protein L19) pseudogene, the gene for a no growth hormone receptor GHR carboxylesterase 2 (intestine, liver) CES2		
GF202	898044	AA598945	Hs.84988	Hs.177536		782.2046	-1.1000016
GF200	295389	W05000	Hs.80690	Hs.125180		782.1246	1.33509166
GF200	510702	AA101996	Hs.76771	Hs.174170		781.903	1.56782449
GF201	429726	AA011678	Hs.40470	Hs.217610	ESTs	781.7199	
					chorionic gonadotropin, beta polypeptide		
GF203	259973	N32604	Hs.119252	Hs.172944	ESTs	781.6099	-1.9644384
GF201	416750	W86521	Hs.58873	Hs.58873	ESTs	781.429	
GF203	399516	AA733188	Hs.50717	Hs.25615	YDD19 protein	781.3243	1.18651467
					inositol 1,4,5-triphosphate receptor, type 3		
GF204	1455463	AA865667	Hs.115836	Hs.77515	ITPR3	781.0816	
GF201	51964	H24344	Hs.31403	Hs.31403	ESTs	781.0543	
GF200	195381	R88999	Hs.34227	Hs.269095	ESTs	780.971	1.30849042
					Fanconi anemia, complementation group A		
GF201	845419	AA644129	Hs.86297	Hs.86297	FANCA	780.8017	
GF201	810221	AA464700	Hs.16063	Hs.16063	ESTs	780.7941	
					ESTs, Weakly similar to similar to vacuolar biogenesis protein [C.elegans]		
GF204	813973	AA455636	Hs.20472	Hs.234282		780.7261	
GF202	430313	AA010611	Hs.60418	Hs.60418	EST	780.6932	1.42193755
					Homo sapiens mRNA; cDNA DKFZp434G231 (from clone DKFZp434G231)		
GF203	139804	R62158	Hs.25224	Hs.105894		780.3799	-1.9890165
GF202	949939	AA599187	Hs.78771	Hs.78771	PGK1	780.2138	1.29695356
GF201	121551	T97710	Hs.18141	Hs.18141	ladinin 1	780.2115	



APPENDIX A

GF201	1030929	AA620346	Hs.12370	Hs.99722	Homo sapiens cDNA FLJ10018 fis, clone HEMBA1000531		780.0511
GF203	878182	AA775447	Hs.74561	Hs.74561	alpha-2-macroglobulin	A2M	-1.6958282
GF204	1033716	AA780083	Hs.122681	Hs.122681	ESTs		779.9313
GF202	744407	AA621206	Hs.112951	Hs.179696	ESTs		-1.4282342
GF203	753244	AA406388	Hs.18449	Hs.18449	ESTs		-2.3450581
GF204	740965	AA478315	Hs.44755	Hs.25615	YDD19 protein	YDD19	779.3
GF204	430368	AA680070	Hs.72477	Hs.182362	ESTs		779.178
GF204	745296	AA625574	Hs.111515	Hs.111515	DKFZP58611023 protein	DKFZP58611023	779.1145
GF203	264604	N20229	Hs.42826	Hs.42826	ESTs		778.5292
GF202	782843	AA448281	Hs.99168	Hs.99168	ESTs, Weakly similar to CGI- 38 protein [H.sapiens]		-1.9983515
GF201	731459	AA412284	Hs.6879	Hs.171844	poliovirus receptor	PVR	-1.4663062
					ESTs, Moderately similar to !!! ALU SUBFAMILY SQ		778.1818
					WARNING ENTRY !!!! [H.sapiens]		777.4774
GF203	383945	AA702724	Hs.114031	Hs.210163	KIAA0537 gene product	KIAA0537	-1.869028
GF202	290199	N64374	Hs.94158	Hs.200598	translocase of inner mitochondrial membrane 8		-2.2956246
GF201	365157	AA024637	Hs.105994	Hs.268561	(yeast) homolog B	TIMM8B	777.4077
GF200	49873	H28922	Hs.25515	Hs.25515	KIAA0362 protein	KIAA0362	1.01172131
GF203	34626	R44397	Hs.23694	Hs.70488	ESTs		-2.3989248
GF200	363377	AA019591	Hs.21075	Hs.21075	GTF2I repeat domain- containing 1	GTF2IRD1	1.1287689
GF201	46617	H10034	Hs.27222	Hs.27222	ESTs		777.2776
					brain-specific angiogenesis inhibitor 3	BAI3	777.2058
GF201	50491	H17398	Hs.8074	Hs.8074	ESTs		777.1325
GF204	142331	R70546	Hs.130825	Hs.130825	glutamate receptor, ionotropic, AMPA 1	GRIA1	776.9899
GF200	52228	H23378	Hs.7117	Hs.7117	KIAA0063 gene product	KIAA0063	776.9131
GF203	395604	AA757576	Hs.121236	Hs.3094	proteasome (prosome, macropain) 26S subunit, non- ATPase, 10		-1.5280467
					PSMD10		-1.067394
GF202	143997	R77104	Hs.7756	Hs.7756			776.7958
							1.08335166

## APPENDIX A

GF201	279195	N46862	Hs.82480	Hs.26770	fatty acid binding protein 7, brain ATPase, H+ transporting, lysosomal (vacuolar proton pump), alpha polypeptide, 70kD, isoform 1 Homo sapiens cDNA FLJ20079 fis, clone COL03057 CD4 antigen (p55) stromal antigen 3 actinin, alpha 4 ESTs histidine-rich glycoprotein	FABP7	776.6019
GF201	825170	AA504160	Hs.52210	Hs.5119		ATP6A1	776.2266
GF204	378416	AA775574	Hs.121826	Hs.165948		CD4	775.9595
GF203	786308	AA451863	Hs.17483	Hs.17483		STAG3	775.7487
GF203	788355	AA453028	Hs.99300	Hs.20132		ACTN4	775.7037
GF204	447687	AA702768	Hs.119196	Hs.182485			775.617
GF204	773591	AA428308	Hs.119220	Hs.119220			775.5858
GF200	212649	H70473	Hs.1498	Hs.1498		HRG	775.5729
GF203	450809	AA682587	Hs.117270	Hs.117270	ESTs, Moderately similar to zinc finger protein [H.sapiens] ESTs, Moderately similar to !!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens] ESTs activated p21cdc42Hs kinase ESTs, Weakly similar to !!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens] ESTs epoxide hydrolase 2, cytoplasmic replication factor C (activator 1) 4 (37kD) ESTs, Weakly similar to putative p150 [H.sapiens]		775.5525
GF204	586836	AA130861	Hs.71367	Hs.71367			775.485
GF202	429909	AA033983	Hs.110059	Hs.110059		ACK	775.2567
GF201	773478	AA427891	Hs.80493	Hs.153937			775.241
GF202	510397	AA053682	Hs.63055	Hs.205048			774.8495
GF201	259072	N29356	Hs.42279	Hs.42279			774.7141
GF200	156473	R73525	Hs.113	Hs.113		EPHX2	774.6503
GF201	309288	N93924	Hs.108133	Hs.35120		RFC4	774.6396
GF203	436051	AA700024	Hs.114685	Hs.272150			774.5832

APPENDIX A

GF204	1456315	AA862937	Hs.123426	Hs.123426	ESTs, Weakly similar to putative serine/threonine protein kinase [H.sapiens]	774.4086	
GF203	700830	AA283819	Hs.66309	Hs.66309	ESTs, Weakly similar to T08D2.6 [C.elegans]	773.939	1.16134464
GF202	845363	AA644092	Hs.118638	Hs.118638	non-metastatic cells 1, protein (NM23A) expressed in	773.9	2.07502006
GF204	1475120	AA857851	Hs.79892	Hs.101299	cullin 5	773.8608	
GF202	841480	AA487236	Hs.88780	Hs.88780	ESTs	773.7081	1.061454
GF202	897733	AA598996	Hs.24156	Hs.234433	amino acid transporter 2	773.5887	1.2782015
					ESTs, Moderately similar to !!!!		
					ALU SUBFAMILY SP		
					WARNING ENTRY !!!!		
GF203	194908	R88709	Hs.30816	Hs.90421	[H.sapiens]	773.5684	1.24317414
					Homo sapiens cDNA		
GF200	123229	T99853	Hs.105633	Hs.105633	FLJ10583 fis, clone	773.4097	1.25499869
GF202	742867	AA406210	Hs.97967	Hs.97967	NT2RP2003629	773.2042	-1.7418103
					ESTs		
					small nuclear		
					ribonucleoprotein D1		
GF204	701087	AA286670	Hs.99660	Hs.86948	polypeptide (16kD)	773.1701	
GF203	665496	AA195253	Hs.43853	Hs.231209	ESTs	773.1638	-1.1900492
					Homo sapiens cDNA		
GF203	855175	AA781507	Hs.111730	Hs.111730	FLJ10025 fis, clone	773.1249	1.51718419
GF204	897142	AA676885	Hs.6361	Hs.6361	HEMBA1000682	773.1221	
GF203	814320	AA459110	Hs.86636	Hs.86636	MEK partner 1	773.0264	1.32539166
					ESTs		
					Homo sapiens mRNA; cDNA		
GF201	744010	AA629033	Hs.65536	Hs.62601	DKFZp586K1318 (from clone	772.965	
GF200	712683	AA280214	Hs.54589	Hs.54589	DKFZp586K1318)	772.9553	1.02260599
					NCK adaptor protein 1		
					NCK1		
					Ras-GTPase-activating protein		
GF200	788645	AA449834	Hs.79310	Hs.220689	SH3-domain-binding protein	772.653	-1.4428455
GF200	289502	N79669	Hs.7938	Hs.199243	KIAA0231 protein	772.6169	1.38674146
					KIAA0231		

APPENDIX A

GF204	1610448	AA991856	Hs.75722	Hs.75722	ribophorin II tyrosine 3- monoxygenase/tryptophan 5- monoxygenase activation protein, eta polypeptide heterogeneous nuclear ribonucleoprotein M neurotrophic tyrosine kinase, receptor, type 1 HSPC182 protein activin A receptor, type II pigment epithelium-derived factor myosin, light polypeptide kinase Homo sapiens cDNA FLJ11323 fis, clone PLACE1010362, weakly similar to 1- PHOSPHATIDYLINOSITOL PHOSPHODIESTERASE PRECURSOR (EC 3.1.4.10) trefoil factor 3 (intestinal) TLS-associated serine- arginine protein glycoprotein M6B ESTs ESTs ESTs ESTs arfaptin 1 ESTs ESTs, Weakly similar to !!! ALU CLASS E WARNING ENTRY !!!! [H.sapiens] ESTs	RPN2	772.2557
GF200	292996	N90630	Hs.75544	Hs.75544		YWHAH	-1.1510293
GF203	825411	AA504272	Hs.79024	Hs.79024		HNRPM	-1.3175372
GF202	796287	AA460849	Hs.31239	Hs.85844		NTRK1	-1.459224
GF203	450213	AA703536	Hs.30026	Hs.30026		HSPC182	-1.6555561
GF201	52338	H23277	Hs.94807	Hs.26014		ACVR2	771.9871
GF202	564492	AA121668	Hs.76110	Hs.173594		PEDF	-1.9037687
GF200	841308	AA487215	Hs.75950	Hs.211582		MYLK	-1.3945534
GF204	378433	AA775600	Hs.122542	Hs.25625			771.6482
GF201	298417	N74131	Hs.82961	Hs.82961		TFF3	771.5817
GF204	257504	N30285	Hs.3530	Hs.3530		TASR	771.528
GF200	713660	AA284329	Hs.78361	Hs.78361		GPM6B	-1.0758653
GF204	1055414	AA626040	Hs.118273	Hs.118273			771.4468
GF204	448676	AA777368	Hs.121915	Hs.121915			771.4269
GF202	1030808	AA620301	Hs.122680	Hs.186600			771.3353
GF203	757242	AA426024	Hs.23248	Hs.23248			771.3167
GF201	72054	T52363	Hs.76173	Hs.76173		HSU52521	771.1075
GF203	193780	H48138	Hs.85077	Hs.85077			770.9632
GF203	711473	AA281426	Hs.28784	Hs.265982			770.7555
GF202	609863	AA174088	Hs.73330	Hs.185761			770.6808

APPENDIX A

GF201	49443	H15427	Hs.22930	Hs.22930	ESTs	770.5053	
GF203	263697	H99672	Hs.26902	Hs.26902	ESTs	769.8645	1.17968727
GF203	134976	R32354	Hs.113356	Hs.10095	ESTs, Moderately similar to transcription factor [H.sapiens]	769.8439	-2.5141324
GF201	195813	R89308	Hs.101822	Hs.274201	Human DNA sequence from clone RP4-657E11 on chromosome 1p35.1-36.23	769.7045	
GF202	23822	R39546	Hs.12471	Hs.12471	Contains 3' part of the CAPZB (capping protein (actin filament) muscle Z-line, beta) gene, genes for aldo-keto reductase family 7 (aflatoxin aldehyde reductase) members A2 (AKR7A2) and A3	769.6882	-1.629834
GF200	207618	H59757	Hs.77183	Hs.77183	ESTs	769.5974	-1.3389634
					v-raf murine sarcoma 3611 viral oncogene homolog 1		ARAF1
					ESTs, Highly similar to NADP-DEPENDENT LEUKOTRIENE B4 12-		
					HYDROXYDEHYDROGENAS		
GF204	1493107	AA876375	Hs.98316	Hs.98316	E [H.sapiens]	769.5128	
GF203	1475987	AA872436	Hs.79215	Hs.182877	KIAA0116 protein	769.4186	1.05343284
GF203	219638	H84211	Hs.24157	Hs.196379	ESTs, Weakly similar to putative p150 [H.sapiens]	769.3887	-1.2446159
GF202	429510	AA011379	Hs.109321	Hs.271774	ESTs	769.3427	-2.0990056
GF200	34795	R19889	Hs.75416	Hs.75416	DAZ associated protein 2	769.2825	-2.0796619
GF200	79022	T62179	Hs.75678	Hs.75678	FBJ murine osteosarcoma viral oncogene homolog B	768.9944	-1.0192101
GF200	126237	R06370	Hs.19675	Hs.191558	ESTs	768.9775	-1.3767991
GF202	782353	AA432278	Hs.98699	Hs.98699	ESTs	768.9406	-1.5198443
GF204	460505	AA700374	Hs.48496	Hs.48496	ESTs	768.5969	
GF202	364415	AA022880	Hs.103362	Hs.103362	ESTs	768.2428	-1.087859

APPENDIX A

GF200	180195	R85545	Hs.12303	Hs.12303	suppressor of Ty (S.cerevisiae) 6 homolog	SUPT6H	768.2035	-1.6812759
GF200	230100	H78788	Hs.82707	Hs.199179	RAN binding protein 2	RANBP2	767.9733	1.1941079
GF202	276977	N34961	Hs.124014	Hs.167688	ESTs		767.9639	-1.9700867
GF204	970734	AA774824	Hs.13377	Hs.13377	Homo sapiens clone 23649 and 23755 unknown mRNA, partial cds		767.8757	
GF200	773332	AA425451	Hs.851	Hs.851	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)	ITGAE	767.7939	-1.026367
GF201	502444	AA156795	Hs.62772	Hs.62772	ESTs		767.7065	
GF202	781461	AA429573	Hs.97553	Hs.97553	ESTs		767.6646	-1.9851065
GF204	845502	AA644218	Hs.116402	Hs.149436	kinesin family member 5B	KIF5B	767.5118	
GF203	1470060	AA865469	Hs.119079	Hs.272897	Tubulin, alpha, brain-specific	TUBA3	767.5094	1.07267175
GF200	68103	T52894	Hs.90318	Hs.90318	myosin, light polypeptide 1, alkali; skeletal, fast	MYL1	767.4877	1.1687503
GF200	125134	R05416	Hs.901	Hs.901	CD48 antigen (B-cell membrane protein)	CD48	767.4757	1.0091071
GF201	49560	H15456	Hs.2575	Hs.2575	calpain, large polypeptide L1	CAPN1	767.4388	
GF200	754436	AA410207	Hs.114587	Hs.117977	kinesin 2 (60-70kD)	KNS2	767.1195	-1.2956322
GF200	754436	AA410207	Hs.80494	Hs.117977	kinesin 2 (60-70kD)	KNS2	767.1195	-1.2956322
GF201	810224	AA464691	Hs.72157	Hs.72157	DKFZP564I1922 protein	DKFZP564I1922	766.6494	
GF204	379307	AA778345	Hs.122017	Hs.238769	EST	EST	766.6181	
GF200	151418	H03591	Hs.30424	Hs.182817	ESTs		766.4095	1.12089928
GF201	376764	AA046321	Hs.17401	Hs.17401	utrophin (homologous to dystrophin)	UTRN	766.3795	
GF200	767784	AA418670	Hs.2780	Hs.2780	jun D proto-oncogene	JUND	766.3035	1.12157721
GF204	1416777	AA894564	Hs.22242	Hs.22242	ESTs		766.1556	
GF202	233666	H79011	Hs.122726	Hs.247043	calpastatin	CAST	766.0814	-1.6755898
GF201	323988	W46433	Hs.72155	Hs.225977	nuclear receptor coactivator 3	NCOA3	766.0187	
GF200	773192	AA428518	Hs.78580	Hs.78580	DEAD/H (Asp-Glu-Ala- Asp/His) box polypeptide 1	DDX1	765.9881	-1.3522681
GF203	290443	N62348	Hs.42839	Hs.21276	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	COL4A3BP	765.9529	-1.2640789

APPENDIX A

GF203	1048985	AA778629	Hs.2718	Hs.2718	human epididymis-specific 3 alpha	HE3-ALPHA	765.6185	-1.706116
GF201	755952	AA496565	Hs.111811	Hs.200480	KIAA0407 protein	KIAA0407	765.6052	
GF201	154720	R55220	Hs.113492	Hs.153436	N-acetyltransferase, homolog of <i>S. cerevisiae</i> ARD1	ARD1	765.4882	
GF200	725223	AA291412	Hs.75935	Hs.75935	KIAA0077 protein	KIAA0077	765.4419	-2.440873
GF204	448380	AA778196	Hs.130728	Hs.198248	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 1	B4GALT1	765.0468	
GF200	897983	AA598874	Hs.120	Hs.120	anti-oxidant protein 2 (non-selenium glutathione peroxidase, acidic calcium-independent phospholipase A2)	KIAA0106	764.9092	-1.0634794
GF204	447299	AA702748	Hs.117994	Hs.171917	Homo sapiens mRNA for KIAA1434 protein, partial cds		764.8608	
GF204	281632	N48004	Hs.125726	Hs.46801	Homo sapiens cDNA FLJ20355 fis, clone HEP15804, highly similar to AF121863 Homo sapiens sorting nexin 14		764.8544	
GF203	815183	AA481152	Hs.4220	Hs.4220	ESTs, Moderately similar to tetracycline transporter-like protein [M.musculus]		764.825	-1.0350995
GF203	823577	AA497045	Hs.43773	Hs.43773	ESTs		764.8151	-1.9562761
GF201	742837	AA406125	Hs.9786	Hs.9786	Homo sapiens chromosome Xq28 psHMG17 pseudogene, complete sequence; and melanoma antigen family A1 (MAGEA1) and zinc finger protein 275 (ZNF275) genes, complete cds		764.7958	
GF203	754653	AA411204	Hs.55173	Hs.55173	EGF-like-domain, multiple 1 v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	EGFL1	764.7694	-1.8910805
GF200	269806	N24824	RG.24	Hs.81665		KIT	764.7282	1.42285616

APPENDIX A

GF200	784224	AA446994	Hs.1421	Hs.165950	fibroblast growth factor receptor 4	FGFR4	764.7205	1.15545823
GF204	1505360	AA905896	Hs.36980	Hs.36980	melanoma antigen, family A, 2	MAGEA2	764.6243	
GF202	731202	AA417252	Hs.98213	Hs.166520	ESTs		764.5241	1.01327071
GF201	770337	AA437374	Hs.111065	Hs.234573	Homo sapiens mRNA for TL132		764.4969	
GF200	66894	T69473	Hs.13094	Hs.13094	ESTs, Weakly similar to ORF YGR101w [S.cerevisiae]		764.4747	1.12269626
GF202	265716	N24732	Hs.43567	Hs.78	GA-binding protein			
GF202	731198	AA417355	Hs.71577	Hs.71577	transcription factor, alpha subunit (60kD)	GABPA	764.4587	-1.1090245
GF204	1469966	AA865362	Hs.127792	Hs.127792	ESTs		764.3019	2.29291453
GF201	810970	AA459405	Hs.24129	Hs.24129	ESTs, Moderately similar to Dll3 protein [M.musculus]		764.3017	
GF203	435573	AA701933	Hs.21653	Hs.211610	Homo sapiens cDNA FLJ10716 fis, clone NT2RP3001081		764.0594	
GF201	782824	AA448256	Hs.94683	Hs.211581	CUG triplet repeat, RNA-binding protein 2	CUGBP2	764.0041	1.49177653
GF201	264868	N21153	Hs.42954	Hs.42954	metal-regulatory transcription factor 1	MTF1	763.9615	
GF202	898313	AA598834	Hs.7268	Hs.188882	ESTs, Weakly similar to CGI-78 protein [H.sapiens]		763.8676	
GF201	460487	AA677706	Hs.347	Hs.347	Homo sapiens clone 23872 mRNA sequence		763.8001	-1.4415276
GF202	126540	R06754	Hs.119642	Hs.268899	lactotransferrin	LTF	763.7462	
GF203	272049	N35369	Hs.12897	Hs.61364	ESTs		763.5634	1.19328167
GF201	769603	AA425908	Hs.75139	Hs.75139	ESTs		763.4487	-1.6670485
GF202	589861	AA156112	Hs.28718	Hs.184987	partner of RAC1 (arfaptin 2)	POR1	763.3588	
GF201	416039	W85782	Hs.18529	Hs.271766	ESTs		763.2262	-1.0392391
GF201	795561	AA459681	Hs.95744	Hs.95744	hypothetical protein similar to ankyrin repeat-containing protein AKR1	FLJ10852	763.1793	



## APPENDIX A

GF203	277732	N49585	Hs.20900	Hs.33363	DKFZP434N093 protein ESTs	DKFZP434N093	763.0626	1.61680791
GF203	826353	AA521035	Hs.32646	Hs.32646	phospholipase C, delta 1	PLCD1	762.9517	1.30811775
GF203	154600	R55490	Hs.80776	Hs.80776	interferon stimulated gene (20kD)	ISG20	762.7734	1.04504316
GF201	740604	AA479795	Hs.96649	Hs.183487	small inducible cytokine A3 (homologous to mouse Mip- 1a)	SCYA3	762.7689	
GF201	460398	AA677522	Hs.73817	Hs.73817	cyligin, basic protein of sperm head cytoskeleton 2	CYLC2	762.5871	
GF204	1642124	A1018066	Hs.3232	Hs.3232	Homo sapiens cDNA FLJ10279 fis, clone HEMBB1001242, highly similar to Homo sapiens topoisomerase-related function protein mRNA		762.1384	
GF204	470140	AA029273	Hs.25534	Hs.25534	ESTs		762.0643	-1.6640587
GF202	757241	AA426032	Hs.66817	Hs.66817	ESTs		762.0275	-1.3842804
GF203	786076	AA448663	Hs.30469	Hs.30469	EST		762.0244	-2.1629425
GF202	130392	R21741	Hs.23258	Hs.203660	ESTs		761.9627	
GF201	347296	W81008	Hs.58628	Hs.58628	ESTs		761.814	
GF204	1467283	AA884742	Hs.125676	Hs.125676	ESTs		761.7833	
GF202	415197	W91960	Hs.59628	Hs.266914	sequence-specific single- stranded-DNA-binding protein	SSDP	761.7629	1.14465755
GF201	109437	T81338	Hs.100593	Hs.14894	trans-Golgi network protein (46, 48, 51kD isoforms)	TGN51	761.6816	
GF204	745583	AA626327	Hs.5008	Hs.5008	ESTs, Highly similar to CGI-87 protein [H.sapiens]		761.6339	
GF204	124510	R02259	Hs.113146	Hs.252588	ESTs		761.5883	
GF201	291961	N73092	Hs.100064	Hs.188897	ESTs		761.459	
GF202	299427	N76117	Hs.94329	Hs.94329	ESTs		761.0987	-1.2476151
GF201	743041	AA406040	Hs.75970	Hs.114034	maternal G10 transcript	G10	761.084	
GF200	128297	R11527	Hs.18826	Hs.18826	ESTs		760.645	-1.0810682
					Homo sapiens mRNA; cDNA DKFZp434H2218 (from clone DKFZp434H2218)			
GF201	282162	N48270	Hs.106754	Hs.45114	ESTs		760.3538	1.00159233
GF202	272288	N35603	Hs.44737	Hs.44737			760.032	

APPENDIX A

GF200	77533	T58773	Hs.63458	Hs.124029	inositol polyphosphate-5-phosphatase, 40kD ESTs, Weakly similar to hypothetical protein [H.sapiens]	INPP5A	759.9619	1.66544324
GF201	795210	AA453580	Hs.13543	Hs.13543	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform		759.8476	
GF201	490023	AA114966	Hs.56126	Hs.173902	eukaryotic translation initiation factor 1A	PPP2R1A	759.7626	
GF203	712436	AA281733	Hs.4310	Hs.4310	ESTs	EIF1A	759.7256	-1.9850266
GF200	300972	W07745	Hs.42948	Hs.42948	ESTs		759.7166	1.70463975
GF202	731240	AA417363	Hs.22233	Hs.6763	KIAA0942 protein	KIAA0942	759.6525	1.23832356
GF202	796351	AA456136	Hs.24880	Hs.24880	ESTs		759.6348	-1.0504964
GF203	39178	R54416	Hs.26113	Hs.263254	ESTs		759.4575	-1.416076
GF201	502669	AA127093	Hs.3352	Hs.3352	histone deacetylase 2	HDAC2	759.0974	
GF204	462762	AA705201	Hs.120953	Hs.269586	ESTs		758.8111	
GF201	743038	AA406064	Hs.97368	Hs.170076	variable charge, Y chromosome	VCY	758.6428	
GF204	447892	AA702272	Hs.114110	Hs.36353	Homo sapiens mRNA full length insert cDNA clone EUROMAGE 1035904		758.5732	
GF203	786573	AA452248	Hs.42484	Hs.42484	Homo sapiens mRNA; cDNA DKFZp564C053 (from clone DKFZp564C053)		758.3892	-1.4478147
GF203	435743	AA700785	Hs.25287	Hs.25287	ESTs		758.3851	-2.3930243
GF200	124127	R01732	Hs.83918	Hs.83918	adenosine monophosphate deaminase (isoform E)	AMPD3	758.3123	1.17857069
GF203	726647	AA398016	Hs.97591	Hs.97591	ESTs		758.159	1.06288998
GF204	49259	H16572	Hs.31429	Hs.31429	ESTs		758.124	
GF201	324510	AA284277	Hs.20074	Hs.98640	ESTs, Weakly similar to microtubule-vesicle linker CLIP-170 [H.sapiens]		758.0251	

Westbrook et al.

## APPENDIX A

GF203	450388	AA682856	Hs.117239	Hs.186807	ESTs, Highly similar to PHOSPHORYLASE B KINASE ALPHA	757.9301	-2.105237
GF204	743727	AA629355	Hs.116331	Hs.116331	REGULATORY CHAIN, LIVER ISOFORM [H.sapiens]	757.8763	
					ESTs		
GF203	486523	AA043280	Hs.103419	Hs.103419	fasciculation and elongation protein zeta 2 (zyglin II)	757.6335	-1.2312511
GF201	343079	W67140	Hs.6272	Hs.6272	ESTs	757.3025	
GF203	460218	AA677457	Hs.96849	Hs.96849	ESTs	757.2357	-2.48366
GF202	593840	AA166810	Hs.3447	Hs.3447	DKFZP564K1964 protein	757.2314	-1.4020391
GF203	192147	H40536	Hs.113904	Hs.207867	EST	757.2296	-1.1282633
					SKIP for skeletal muscle and kidney enriched inositol phosphatase		
GF200	785415	AA449154	Hs.88557	Hs.178347	LOC51763	757.1466	1.1032809
GF204	815124	AA481491	Hs.105176	Hs.105176	ESTs	757.1281	
GF203	277097	N34297	Hs.27666	Hs.251964	ESTs	756.6736	1.19378946
GF204	453200	AA704825	Hs.119848	Hs.119848	ESTs	756.6664	
GF204	435771	AA700108	Hs.117364	Hs.191912	ESTs	756.6542	
GF203	280459	N47240	Hs.5367	Hs.5367	ESTs	756.549	-2.0936086
GF200	502369	AA156940	Hs.107170	Hs.166468	programmed cell death 5	756.1823	-1.0162343
GF201	795402	AA453508	Hs.107951	Hs.168075	karyopherin (importin) beta 2	756.0703	
					PAK-interacting exchange factor alpha		
GF200	687990	AA236617	Hs.79307	Hs.79307	KIAA0006	756.0629	-1.1920852
					protein tyrosine phosphatase, receptor type, R		
GF200	52079	H23202	Hs.74555	Hs.198288	PTPRR	756.0609	1.18147327
GF200	202703	H53553	Hs.36789	Hs.141211	EST	755.9716	1.58524326
GF200	755506	AA419108	Hs.77840	Hs.77840	annexin A4	755.8395	1.28882592
GF203	1240170	AA706315	Hs.119956	Hs.192057	ESTs	755.8348	-1.4839547
					Homo sapiens mRNA; cDNA DKFZp434K0926 (from clone DKFZp434K0926)		
GF202	767827	AA418729	Hs.22753	Hs.22753	homeo box B13	755.7348	-2.5108669
GF203	813481	AA456069	Hs.66731	Hs.66731	HOXB13	755.6372	1.43718507
GF202	306146	N90523	Hs.54627	Hs.54627	ESTs	755.2884	-1.0983152

APPENDIX A

GF201	49240	H15436	Hs.29956	Hs.29956	KIAA0460 protein	KIAA0460	755.1939	
GF203	824219	AA490977	Hs.50180	Hs.50180	ESTs		755.1279	1.40844534
GF202	417326	W89182	Hs.59093	Hs.59093	EST		755.0641	1.56103495
GF202	743135	AA399949	Hs.97762	Hs.97762	ESTs		755.0571	-1.7173595
GF200	563621	AA102634	Hs.29736	Hs.29736	TNF receptor-associated factor 5	TRAF5	755.0125	2.16981433
GF201	855586	AA664219	Hs.75772	Hs.75772	nuclear receptor subfamily 3, group C, member 1	NR3C1	754.9086	
GF203	878175	AA775454	Hs.109672	Hs.109672	CMP-NeuAC:(beta)-N-acetyl/galactosaminide			
GF204	362808	AA018686	Hs.59956	Hs.59956	(alpha)2,6-sialyltransferase member VI	VI	754.7783	-1.7264527
GF201	502977	AA149292	Hs.41713	Hs.100299	ESTs		754.7189	
					ligase III, DNA, ATP-dependent	LIG3	754.5635	
GF203	712872	AA282183	Hs.109045	Hs.109045	Homo sapiens cDNA			
GF200	246543	N77515	Hs.57498	Hs.267204	FLJ10498 fis, clone		754.4917	-1.322298
GF202	758276	AA423960	Hs.98377	Hs.98377	NT2RP2000328		754.1803	1.66298366
GF202	487363	AA043861	Hs.62646	Hs.62646	ESTs		754.0152	-1.9751173
					ESTs		753.9795	1.79150582
					ESTs, Weakly similar to !!!!			
					ALU SUBFAMILY J			
					WARNING ENTRY !!!!			
GF202	565223	AA126796	Hs.70951	Hs.203088	[H.sapiens]		753.8973	-2.3195135
GF203	738897	AA421715	Hs.34392	Hs.34392	ESTs		753.8373	1.0855121
GF200	296132	W00867	Hs.37805	Hs.232076	A kinase (PRKA) anchor protein 11	AKAP11	753.8138	-2.1541082
GF201	428582	AA004881	Hs.6603	Hs.6603	Homo sapiens cDNA			
					FLJ20296 fis, clone		753.7169	
					HEP05890			
					Human 1.1 kb mRNA			
					upregulated in retinoic acid treated HL-60 neutrophilic cells			
GF200	810734	AA480820	Hs.82520	Hs.82520			753.7059	1.40327857

Westbrook et al.

APPENDIX A

GF200	809939	AA454819	Hs.861	mitogen-activated protein kinase 3	MAPK3	753.5197	-1.1591126
GF204	379768	AA706010	Hs.114948	cytokine receptor-like factor 1	CRLF1	753.5061	
GF201	782851	AA448285	Hs.22549	ESTs, Weakly similar to KIAA0805 protein [H.sapiens]		753.418	1.27208725
GF200	204688	H57273	Hs.37424	ESTs		753.3765	-1.5526451
GF203	31807	R43258	Hs.163537	ESTs		752.9869	1.40077653
GF202	46715	H10011	Hs.205353	CD39 antigen	CD39	752.6719	-1.3863084
GF203	288903	N62631	Hs.26343	ESTs		752.4512	
GF204	1639916	A1018381	Hs.131279	ESTs, Weakly similar to TWISTED GASTRULATION PROTEIN PRECURSOR [D.melanogaster]		751.7808	
GF201	810203	AA464517	Hs.271988	ESTs, Weakly similar to LINE-1 REVERSE TRANSCRIPTASE		751.6819	
GF203	385003	AA709143	Hs.54780	HOMOLOG [H.sapiens] transcription termination factor, RNA polymerase I	TTF1	751.5834	-1.0367817
GF201	362755	AA018676	Hs.3136	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	PRKAG1	751.5342	
GF200	245147	N76361	Hs.107761	ESTs, Weakly similar to PUTATIVE RHO/RAC		751.5281	-1.067208
GF202	251753	H96908	Hs.42251	GUANINE NUCLEOTIDE EXCHANGE FACTOR [H.sapiens]		751.5121	-2.1282552
GF202	44303	H06380	Hs.12867	ESTs		751.5015	-1.6490599
GF201	156322	R72618	Hs.28453	ESTs		751.3729	
GF204	271520	N35046	Hs.127231	ESTs		751.0758	
GF202	897732	AA598988	Hs.12820	SnRNP assembly defective 1		751.008	-2.4095895
GF202	290198	N64368	Hs.48964	homolog	SAD1	750.9346	1.036

APPENDIX A

GF203	180156	R85939	Hs.128959	ESTs	750.9329	-1.6538667
GF200	202168	H52361	Hs.69059	ESTs	750.895	1.30644385
GF200	205445	H57830	Hs.102168	H1 histone family, member 0	750.8747	-1.0118249
GF201	359795	AA011136	Hs.16026	ESTs	750.8482	
GF201	320857	W44762	Hs.55444	ESTs	750.8328	
GF204	137554	R39563	Hs.125149	decidual protein induced by progesterone	750.6702	
GF201	505597	AA147654	Hs.47213	ESTs	750.3651	
				serine		
				hydroxymethyltransferase 1		
GF200	39798	R53294	Hs.8889	(soluble)	750.3614	-1.3898823
				bone marrow stromal cell		
GF201	257422	N27179	Hs.108476	antigen 1	750.1782	
GF204	1471828	AA873342	Hs.125226	ESTs	750.1302	
				membrane protein,		
				palmitoylated 2 (MAGUK p55		
GF202	42906	R60019	Hs.23205	subfamily member 2)	750.1251	-1.5959331
GF200	46356	H09936	Hs.30956	nescent helix loop helix 1	750.0496	-1.3267892
GF203	1472735	AA872383	Hs.74170	metallothionein 1E (functional)	749.9893	1.03401353
				ESTs, Weakly similar to		
				proline-rich protein		
GF202	261472	H99035	Hs.100132	[M.musculus]	749.9589	-1.0621892
GF204	758280	AA404229	Hs.97842	EST	749.8203	
				signaling lymphocytic		
GF203	814251	AA458996	Hs.32970	activation molecule	749.278	1.05478029
GF202	253577	H89589	Hs.41250	ESTs	749.2709	1.26915401
				Homo sapiens EST00098		
GF203	726791	AA398406	Hs.95867	gene, last exon	749.2559	-1.3704133
GF200	130572	R22420	Hs.23389	ESTs	749.2345	1.15618888
GF200	121798	T98201	Hs.91165	hypothetical protein	749.0046	-1.9598057
				ESTs, Moderately similar to		
				ELONGATION FACTOR G,		
				MITOCHONDRIAL		
				FLJ11127		
GF203	283943	N50802	Hs.41066	PRECURSOR [R.norvegicus]	748.5325	1.60255752
GF203	703383	AA258057	Hs.104401	ESTs	748.5035	-1.1078265

APPENDIX A

GF202	714472	AA293314	Hs.7416	Hs.7416	KIAA0397 gene product	KIAA0397	748.0905	-2.7147892
GF201	377107	AA054949	Hs.61307	Hs.61307	ESTs		747.9911	
GF203	208387	H60895	Hs.15370	Hs.15370	Homo sapiens mRNA for		747.9164	-1.6282667
GF202	212394	H68309	Hs.108295	Hs.76894	KIAA1407 protein, partial cds	DCTD	747.8981	-1.2806015
GF204	385028	AA709154	Hs.121000	Hs.191514	dCMP deaminase		747.8519	
					ESTs			
GF203	769868	AA430361	Hs.22880	Hs.22880	Homo sapiens mRNA for		747.7668	-1.5061872
GF201	85643	T62060	Hs.75599	Hs.75599	dipeptidyl-peptidase III (DPP3 gene)		747.6487	
					antithrombin III	AT3		
					PAX transcription activation domain interacting protein 1			
GF200	130820	R22178	Hs.105395	Hs.173854	like	PAXIP1L	747.6282	1.15390437
					ESTs, Moderately similar to			
					GTP-BINDING PROTEIN			
GF201	359038	W92400	Hs.18746	Hs.243010	TC10 [H.sapiens]		747.6241	
GF201	293292	N64706	Hs.47982	Hs.137282	ESTs		747.5571	
GF201	121406	T96688	Hs.17891	Hs.158225	PBX/knotted 1 homeobox 1	PKNOX1	747.5036	
					Homo sapiens cDNA			
GF201	491778	AA115275	Hs.23977	Hs.106768	FLJ10511 fis, clone		747.4847	
GF202	35182	R43780	Hs.12876	Hs.12876	NT2RP2000656		747.1916	1.23861666
					ESTs			
GF201	490140	AA136040	Hs.85382	Hs.91448	MKP-1 like protein tyrosine phosphatase	MKP-L	747.1778	
					Homo Sapiens mRNA,partial			
					cDNA sequence from cDNA			
GF202	43101	R59936	Hs.26708	Hs.26708	selection, DCR1-17.0		747.163	-1.2382672
					organic anion transporter			
GF204	1434909	AA857103	Hs.33432	Hs.235782	OATP-E	LOC51737	747.076	
GF200	172721	H19668	Hs.94722	Hs.94722	ESTs		747.0452	2.61447368
GF201	50018	H16761	Hs.30555	Hs.268782	ESTs		746.9896	
GF204	1468857	AA889083	Hs.125934	Hs.125934	EST		746.8201	
GF202	813629	AA447738	Hs.12796	Hs.206521	YME1 (S.cerevisiae)-like 1	YME1L1	746.5972	-1.7750515
GF202	782804	AA448186	Hs.99158	Hs.99158	ESTs		746.5234	-1.2279166

[illegible]



APPENDIX A

GF203	753026	AA436455	Hs.98872	Hs.98872	EST	742.0645	-1.637203
GF203	281908	N51859	Hs.41271	Hs.41271	ESTs	741.9362	-1.2816164
GF202	609930	AA169259	Hs.111051	Hs.206224	ESTs	741.9282	-2.0846586
GF202	813154	AA456289	Hs.26057	Hs.26057	ESTs	741.9215	-1.2621534
GF203	450068	AA703394	Hs.121016	Hs.121016	ESTs	741.8241	-1.4325805
GF202	773345	AA425442	Hs.30464	Hs.30464	cyclin E2	741.5335	1.06284125
GF202	731330	AA416772	Hs.98256	Hs.98256	EST	741.3008	-1.2939517
					Homo sapiens cDNA		
					FLJ10747 fis, clone		
GF200	40042	R53973	Hs.76438	Hs.189782	NT2RP3001799	741.0988	1.23586468
					secretory carrier membrane		
GF200	156045	R72518	Hs.25361	Hs.200600	protein 3	741.0531	1.25449958
GF204	49302	H15675	Hs.22851	Hs.22851	ESTs	741.0092	
GF201	243083	H95787	Hs.108745	Hs.108745	ESTs	740.8841	
GF201	282315	N51961	Hs.47342	Hs.47342	ESTs	740.3652	
GF203	280782	N50654	Hs.115009	Hs.111461	ceruloplasmin (ferroxidase)	740.0392	1.0919223
GF204	745105	AA626374	Hs.98898	Hs.98898	ESTs	740.0061	
					Homo sapiens cDNA		
					FLJ20783 fis, clone		
GF201	32083	R42668	Hs.22191	Hs.246885	COL03108	739.922	
GF201	771215	AA428451	Hs.9915	Hs.91146	DKFZP586E0820 protein	739.8682	
					DKFZP586E0820		
					v-myc avian myelocytomatosis		
					viral oncogene homolog 1,		
GF200	138917	R62862	Hs.92137	Hs.92137	lung carcinoma derived	739.8103	-1.1792938
					adenosine monophosphate		
GF204	854088	AA669162	Hs.116668	Hs.83918	deaminase (isoform E)	739.6984	
					Human DNA sequence from		
					clone RP1-102H19 on		
					chromosome 6q15-16.1.		
					Contains an HSP60 (TCP-		
					1/cpn60 chaperonin family)		
					pseudogene, three novel		
GF204	1471779	AA873204	Hs.126231	Hs.126231	genes, ESTs, STSs and GSSs	739.6653	

## APPENDIX A

GF201	143790	R76782	Hs.101552	Hs.100293	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase) OGT ESTs ESTs protocadherin 1 (cadherin-like 1) PCDH1	739.639	
GF203	754458	AA410291	Hs.114121	Hs.114121		739.6038	-1.5708884
GF201	309929	N95435	Hs.55144	Hs.55144		739.5466	
GF200	771236	AA443557	Hs.79769	Hs.79769		739.525	-1.0463959
GF200	154482	R54664	Hs.117507	Hs.183583	protease inhibitor 2 (anti-elastase), monocyte/neutrophil ELANH2 ESTs EST cathepsin E CTSE ESTs ESTs	739.4736	1.8299671
GF204	768179	AA424849	Hs.3731	Hs.3731		739.1291	
GF203	785980	AA449780	Hs.99222	Hs.168316		739.0842	-2.4188232
GF200	243202	H94487	Hs.1355	Hs.1355		738.9656	-1.1181683
GF200	194155	H51056	Hs.101490	Hs.101490	glycophorin B (includes Ss blood group) GYPB glycophorin B (includes Ss blood group) GYPB ESTs ESTs runt-related transcription factor 2 RUNX2 Sm protein F LSM6 potassium voltage-gated channel, shaker-related subfamily, beta member 2 KCNAB2 ESTs, Weakly similar to WDNM1 PROTEIN PRECURSOR [R.norvegicus] polymerase (RNA) II (DNA directed) polypeptide J (13.3kD) POLR2J	738.9539	1.22940221
GF204	1468224	AA884906	Hs.125690	Hs.125690		738.9132	
GF200	812126	AA455338	Hs.15798	Hs.250653		738.8641	-1.4170299
GF200	812126	AA455338	Hs.117967	Hs.250653		738.8641	-1.4170299
GF204	1467175	AA884697	Hs.125668	Hs.148312	runt-related transcription factor 2 RUNX2 Sm protein F LSM6 potassium voltage-gated channel, shaker-related subfamily, beta member 2 KCNAB2 ESTs, Weakly similar to WDNM1 PROTEIN PRECURSOR [R.norvegicus] polymerase (RNA) II (DNA directed) polypeptide J (13.3kD) POLR2J	738.8438	
GF200	296184	N74377	Hs.50490	Hs.226755		738.7767	-1.4573903
GF203	1435638	AA858175	Hs.121895	Hs.121895		738.551	1.27850039
GF203	397638	AA708261	Hs.42438	Hs.42438		738.4619	1.16163119
GF200	48631	H14383	Hs.32974	Hs.154417	runt-related transcription factor 2 RUNX2 Sm protein F LSM6 potassium voltage-gated channel, shaker-related subfamily, beta member 2 KCNAB2 ESTs, Weakly similar to WDNM1 PROTEIN PRECURSOR [R.norvegicus] polymerase (RNA) II (DNA directed) polypeptide J (13.3kD) POLR2J	738.3603	-1.2685298
GF201	503051	AA149250	Hs.109911	Hs.56105		738.1567	
GF204	852568	AA663075	Hs.115075	Hs.80475		738.0754	

APPENDIX A

GF204	1293103	AA682226	Hs.117215	Hs.117215	ESTs Human pre-T/NK cell associated protein (3B3) mRNA, 3' end ESTs, Highly similar to WS basic-helix-loop-helix leucine zipper protein [H.sapiens] ESTs ESTs	737.9569  737.9479  737.8083 737.701 737.5969	-1.2081597   -1.2157203 -1.186488 -1.1754483
GF203	1321677	AA758962	Hs.31115	Hs.143288			
GF200	128426	R10526	Hs.93334	Hs.93334			
GF200	202901	H54183	Hs.4248	Hs.4248			
GF200	127843	R08830	Hs.20243	Hs.20243			
GF201	292223	N62464	Hs.107854	Hs.107854	ESTs, Weakly similar to SODIUM- AND CHLORIDE- DEPENDENT GLYCINE TRANSPORTER 1 [H.sapiens]	737.5068	
GF203	814773	AA454950	Hs.5007	Hs.149443	putative tumor suppressor NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (9kD, MLRQ) choline kinase casein kinase 1, delta Homo sapiens mRNA; cDNA DKFZp586F2423 (from clone DKFZp586F2423)	737.4362	-2.0562799
GF202	869538	AA680322	Hs.108661	Hs.108661		737.3545	1.59294107
GF201	46367	H09959	Hs.77221	Hs.77221		737.2874	
GF204	1610490	A1002588	Hs.14910	Hs.75852		737.2374	
GF202	501453	AA115304	Hs.109287	Hs.13659		737.1789	-1.5917805
GF203	682768	AA210707	Hs.17246	Hs.193417		737.0405	-1.7162212
GF203	436055	AA700025	Hs.118188	Hs.269537		737.0157	-1.3437215
GF204	384670	AA709333	Hs.120771	Hs.21958	Homo sapiens cDNA FLJ10532 fis, clone NT2RP2001044	736.9755	
GF202	1031468	AA609206	Hs.112664	Hs.159348	ESTs D component of complement (adipsin) ESTs	736.8818	-2.4361818
GF200	666128	AA233549	Hs.111938	Hs.155597		736.8724	1.14000591
GF203	825058	AA489218	Hs.105229	Hs.105229		736.6472	1.8150824
GF202	327732	W23581	Hs.55419	Hs.103000	KIAA0831 protein	736.6167	-1.2030887
GF203	1461074	AA890161	Hs.101253	Hs.119273	KIAA0296 gene product cell membrane glycoprotein, 110000M(r) (surface antigen)	736.4961	-1.6534072
GF200	78869	T51182	Hs.90107	Hs.90107	GP110	736.4941	1.02383981

APPENDIX A

GF201	811033	AA485432	Hs.100515	Hs.100515	ESTs	736.4144	
					chromodomain helicase DNA		
GF203	137211	R36144	Hs.25107	Hs.36787	binding protein 2	736.3995	-1.1312065
GF200	704905	AA279680	Hs.865	Hs.865	RAP1A, member of RAS	736.0831	1.09299717
					oncogene family		
					Homo sapiens mRNA; cDNA		
GF203	726663	AA398247	Hs.97140	Hs.97140	DKFZp434M1126 (from clone	735.8508	-1.3298085
GF202	744565	AA621256	Hs.27197	Hs.27197	DKFZp434M1126)	735.696	1.45769881
					SUMO-1-specific protease		
					ESTs, Weakly similar to		
					MYELIN P2 PROTEIN		
GF203	897042	AA676765	Hs.77993	Hs.182695	[H.sapiens]	735.6418	1.40264877
					SRY (sex determining region		
GF200	786674	AA451892	Hs.816	Hs.816	Y)-box 2	735.5684	1.06965388
					small nuclear		
					ribonucleoprotein polypeptide		
GF202	431803	AA678021	Hs.1066	Hs.1066	E	735.5627	1.20221522
GF204	51807	H22559	Hs.8006	Hs.22981	DKFZP586M1523 protein	735.2545	
GF202	39973	R52522	Hs.25922	Hs.25922	EST	735.2333	1.00951561
					Homo sapiens cDNA		
GF202	85502	T71869	Hs.11184	Hs.11184	FLJ20419 fis, clone KAT02435	734.9417	-1.1706446
GF200	789152	AA450180	Hs.29159	Hs.29159	zinc finger protein 75 (D8C6)	734.9394	-1.263485
GF203	451937	AA707195	Hs.26731	Hs.26731	ESTs	734.9345	-2.241495
GF200	81427	T60168	Hs.89853	Hs.197764	thyroid transcription factor 1	734.8625	1.1131231
GF202	510521	AA057533	Hs.108607	Hs.63525	poly(rC)-binding protein 2	734.6288	-1.1002256
					S100 calcium-binding protein		
					A4 (calcium protein,		
					calvasculin, metastasin,		
GF203	825847	AA504780	Hs.11221	Hs.81256	murine placental homolog)	734.5349	-1.6460876
					RAB9, member RAS		
GF200	250667	H98534	Hs.28726	Hs.28726	oncogene family	734.5048	-1.0077671
					ESTs, Weakly similar to		
GF204	878417	AA670359	Hs.96413	Hs.96413	unknown [H.sapiens]	734.3932	

APPENDIX A

GF200	814701	AA481076	Hs.79078	Hs.79078	MAD2 (mitotic arrest deficient, yeast, homolog)-like 1	MAD2L1	734.3282	-1.2345566
GF203	182818	H45266	Hs.32419	Hs.183438	DKFZP566J153 protein	DKFZP566J153	734.3091	1.09319323
GF201	782705	AA447612	Hs.60435	Hs.60435	ESTs		734.0966	
GF203	844703	AA670123	Hs.13565	Hs.13565	Sam68-like phosphotyrosine protein, T-STAR	T-STAR	733.9315	1.14758239
GF202	504253	AA132065	Hs.109144	Hs.109144	ESTs		733.647	1.13661682
GF200	795296	AA454146	Hs.514	Hs.514	cyclin H	CCNH	733.4781	1.03113879
					Human DNA sequence from clone RP4-756G23 on chromosome 22q13.31-13.33			
					Contains the 5' part of a gene similar to drosophila transcriptional repressor, the 3' end of the gene for a novel Leucine Rich Protein, the RANGAP1 gene for Ran			
GF201	502106	AA126901	Hs.71049	Hs.265327	GTPase activating prote		733.4744	
GF203	462645	AA704995	Hs.18508	Hs.18508	putative glycine-N-acyltransferase	GAT	733.4396	-1.5491278
GF202	796469	AA460432	Hs.5199	Hs.5199	Homo sapiens cDNA FLJ20497 fis, clone KAT08890		733.3596	-1.3545934
GF201	68207	T52999	Hs.9521	Hs.9521	ESTs, Weakly similar to KIAA1015 protein [H.sapiens]		733.3126	
GF202	781401	AA430205	Hs.104904	Hs.104904	ESTs		733.293	-1.7334342
GF204	1291687	AA776844	Hs.121874	Hs.121874	EST		733.155	
GF202	141115	R66326	Hs.118200	Hs.265262	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	CSF2RB	733.1281	-1.3210464
GF204	40040	R53971	Hs.11687	Hs.44087	Homo sapiens mRNA for KIAA1126 protein, partial cds		733.1008	
GF203	682058	AA256459	Hs.25194	Hs.129951	speckle-type POZ protein	SPOP	732.9888	-2.6722857

APPENDIX A

GF201	248412	N58558	Hs.117943	Hs.159628	protease inhibitor 4 (kallistatin) PI4	732.8145
GF200	898062	AA598776	Hs.82906	Hs.82906	cell division cycle 20, S.cerevisiae homolog CDC20	732.7296 1.22664359
GF201	52755	H29783	Hs.101465	Hs.273369	Homo sapiens mRNA; cDNA DKFP434M0420 (from clone DKFP434M0420)	732.5726
GF200	49344	H15077	Hs.23263	Hs.23263	KIAA0350 protein KIAA0350	732.5574 1.14732585
GF203	452446	AA704794	Hs.121048	Hs.269583	ESTs	732.4844 -1.8646861
GF203	432008	AA678259	Hs.104824	Hs.206927	Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 254679	732.4474 1.00298383
GF202	490188	AA121271	Hs.70821	Hs.70821	ESTs	732.3309 1.4784243
GF201	359135	AA010128	Hs.22361	Hs.22361	ESTs	732.3076
GF202	730633	AA412738	Hs.3688	Hs.3688	cisplatin resistance-associated overexpressed protein LOC51747	732.0568 1.11596125
GF201	428786	AA004667	Hs.20495	Hs.20495	DKFP434F011 protein lifeguard DKFP434F011	731.9994
GF204	1049143	AA620986	Hs.128966	Hs.182859	protein translocation complex beta KIAA0950	731.8397
GF201	214884	H73928	Hs.77028	Hs.77028	chromosome 2 open reading frame 1 SEC61B	731.6386
GF202	897448	AA489478	Hs.14454	Hs.14454	ESTs C2ORF1	731.114 -1.8132678
GF202	203425	H55764	Hs.117905	Hs.204810	ESTs	731.024 -1.6470187
GF201	305843	N91246	Hs.102897	Hs.102897	ESTs, Highly similar to CGI-47 protein [H.sapiens]	730.915
GF204	68534	T53170	Hs.9587	Hs.9587	ESTs	730.908
GF201	343987	W70234	Hs.44926	Hs.44926	dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2) DPP4	730.6913
GF200	244801	N54420	Hs.47822	Hs.47822	KIAA0380 gene product; RhoA- specific guanine nucleotide exchange factor KIAA0380	730.5535 1.00320349

T-02020" 86426860

## APPENDIX A

GF201	713974	AA284954	Hs.75116	Hs.174142	colony stimulating factor 1 receptor, formerly McDonough feline sarcoma viral (v-fms)	CSF1R	730.0473	
GF203	825736	AA504842	Hs.104540	Hs.192552	oncogene homolog		730.0139	1.12231787
GF203	431235	AA682541	Hs.113196	Hs.191204	ESTs		729.9989	1.22568228
GF204	1607039	AA988313	Hs.119598	Hs.150580	putative translation initiation factor	SUI1	729.8457	
GF200	233734	H77479	Hs.39762	Hs.39762	EST		729.7294	1.14688053
GF203	42452	R61297	Hs.113512	Hs.106673	eukaryotic translation initiation factor 3, subunit 6 (48kD)	EIF3S6	729.6293	-1.4757992
GF201	810096	AA464967	Hs.8619	Hs.8619	ESTs, Moderately similar to HMG-box transcription factor [M.musculus]		729.5894	
GF200	713862	AA284599	Hs.82640	Hs.155287	KIAA0010 gene product solute carrier family 29 (nucleoside transporters), member 1	KIAA0010	729.5303	-1.0760975
GF203	586650	AA129135	Hs.25450	Hs.25450	DKFZP58611023 protein	SLC29A1	729.2702	-1.4880856
GF203	814354	AA458828	Hs.88001	Hs.111515	Homo sapiens Chromosome 16 BAC clone CIT987SK-A- 152E5	DKFZP58611023	729.2679	1.18956503
GF203	756378	AA482110	Hs.4900	Hs.4900	ESTs		729.2577	-1.8994561
GF200	207778	H58992	Hs.36291	Hs.36291	transcriptional intermediary factor 1 gamma	TIF1GAMMA	729.2255	-1.0750844
GF201	79739	T62575	Hs.5483	Hs.168005	v-rat murine sarcoma 3611 viral oncogene homolog 1	ARAF1	729.1392	
GF200	207618	H59758	RG.14	Hs.77183	Homo sapiens clone 628 unknown mRNA, complete sequence		728.9018	-1.0800327
GF201	730072	AA412266	Hs.4261	Hs.181349	integral membrane protein 2A	ITM2A	728.6732	
GF203	878596	AA775257	Hs.17109	Hs.17109	N-acetylglucosamine- phosphate mutase; DKFZP434B187 protein		728.3176	1.00493369
GF203	755765	AA496455	Hs.115679	Hs.237323		DKFZP434B187	728.0919	1.60927724

APPENDIX A

GF200	124052	R02800	Hs.119621	Hs.226284	ESTs ARP1 (actin-related protein 1, yeast) homolog A (centractin alpha)	728.0717	1.049506
GF203	815575	AA456850	Hs.83816	Hs.153961	ACTR1A	728.0171	-1.4100212
GF203	898307	AA598831	Hs.17121	Hs.17121	ESTs	728.012	-1.8375096
GF203	768590	AA425116	Hs.5757	Hs.5757	ESTs	727.8582	-1.7598977
GF203	344073	W73738	Hs.12921	Hs.12921	ESTs	727.8198	-1.5676112
GF200	366156	AA062814	Hs.9531	Hs.107573	sialyltransferase	727.605	1.40187699
GF204	1032362	AA779418	Hs.116278	Hs.116278	ESTs	727.4334	
GF201	782140	AA431179	Hs.90078	Hs.90078	nucleotide-sugar transporter similar to C. elegans sqv-7	727.3253	
GF201	358083	W94774	Hs.80892	Hs.141296	KIAA0226 gene product	727.2357	
GF201	220655	H88143	Hs.91472	Hs.152094	kinase suppressor of ras	727.228	
					Homo sapiens cDNA		
GF200	124405	R01796	Hs.90265	Hs.107528	FLJ10485 fis, clone NT2RP2000195	727.1348	1.30172011
GF203	687579	AA236561	Hs.17424	Hs.17424	ESTs, Weakly similar to semaphorin F [H.sapiens]	726.7676	-1.2458584
GF202	784200	AA446859	Hs.99083	Hs.99083	ESTs	726.4728	-1.5679507
					ESTs, Weakly similar to !!! ALU SUBFAMILY SC		
GF203	415493	W80457	Hs.110067	Hs.110067	WARNING ENTRY !!!! [H.sapiens]	726.3667	-1.4864815
GF202	785434	AA449189	Hs.110839	Hs.110839	zinc finger protein homologous to Zfp95 in mouse	726.0259	-1.5899207
GF200	841261	AA487148	Hs.24644	Hs.24644	TATA box binding protein (TBP)-associated factor, RNA	725.848	-2.2119232
GF202	280213	N49186	Hs.46900	Hs.46900	polymerase II, C1, 130kD EST	725.8238	-1.8222956
					small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and activation-regulated		
GF200	768497	AA495985	Hs.16530	Hs.16530	KIAA0342 gene product	725.7859	-1.230118
GF200	502067	AA127794	Hs.16950	Hs.16950	SCYA18 KIAA0342	725.619	1.09258817



APPENDIX A

GF201	241699	H91641	Hs.90989	Hs.163648	ESTs	725.5451
GF201	321773	W33165	Hs.55548	Hs.55548	ESTs, Weakly similar to unknown protein [H.sapiens]	725.3363
GF203	1389018	AA855158	Hs.89485	Hs.228211	EST, Highly similar to CARBONIC ANHYDRASE IV	725.293
GF200	194005	H51262	Hs.93121	Hs.93121	PRECURSOR [H.sapiens]	725.233
GF202	122723	T98941	Hs.121049	Hs.188501	KIAA0761 protein	725.1441
GF202	731016	AA421256	Hs.42239	Hs.42239	ESTs	725.0966
GF201	502244	AA133297	Hs.44234	Hs.44234	ESTs	725.0757
GF203	246504	N57632	Hs.118049	Hs.269674	ESTs	725.0478
GF202	782383	AA431407	Hs.98732	Hs.98732	Homo sapiens Chromosome 16 BAC clone CIT987SK-A-923A4	725.002
GF204	298770	N74698	Hs.114536	Hs.114536	ESTs	724.8701
GF201	487013	AA043965	Hs.107666	Hs.155182	KIAA1036 protein	724.8428
GF201	240509	H90767	Hs.32692	Hs.124147	ESTs	724.8305
GF203	825603	AA504631	Hs.26813	Hs.26813	CDA14	724.8162
GF204	453298	AA778885	Hs.121720	Hs.194147	ESTs	724.7422
GF204	460171	AA676934	Hs.114690	Hs.186802	ESTs	724.7407
GF201	272262	N35592	Hs.107485	Hs.7913	ESTs	724.7256
GF202	754380	AA436164	Hs.23171	Hs.181326	KIAA1073 protein	724.6688
GF204	448232	AA777242	Hs.77955	Hs.77955	ESTs	724.5881
GF201	854874	AA630346	Hs.78093	Hs.154332	KIAA0212 gene product	724.517
GF203	1473690	AA916728	Hs.102336	Hs.102336	Rho GTPase activating protein 8	724.5098
GF204	1534710	AA917932	Hs.126620	Hs.126620	ESTs, Highly similar to gamma-glutamyltransferase	724.4852
GF201	22359	T89096	Hs.4840	Hs.4840	[H.sapiens]	724.1865
GF204	25302	R17758	Hs.26788	Hs.267150	ESTs	724.0464
GF201	344139	W69790	Hs.15432	Hs.15432	Homo sapiens mRNA for KIAA1409 protein, partial cds downregulated in ovarian cancer 1	723.9963
					DOC1	

APPENDIX A

ESTs, Moderately similar to !!! ALU SUBFAMILY SC WARNING ENTRY !!!							
GF202	897992	AA598877	Hs.112477	Hs.188908	[H.sapiens]	723.9584	-2.8483032
GF202	281739	N51741	Hs.47329	Hs.47329	EST	723.8841	-1.8764638
GF202	489544	AA101822	Hs.110342	Hs.198281	pyruvate kinase, muscle	723.8314	-2.2457108
GF203	824681	AA482282	Hs.105136	Hs.105136	ESTs	723.7195	-1.9874903
GF202	781287	AA446346	Hs.99069	Hs.99069	ESTs	723.6573	1.00264455
GF204	452703	AA779258	Hs.126432	Hs.188098	ESTs	723.6224	
GF201	743188	AA401428	Hs.69968	Hs.170285	nucleoporin 214kD (CAIN)	723.6104	
ESTs, Moderately similar to B219/OB receptor isoform				NUP214			
HuB219.1 precursor							
GF203	154996	R54733	Hs.26004	Hs.252508	[H.sapiens]	723.4435	2.63501164
GF202	417800	W88745	Hs.59203	Hs.59203	ESTs	723.2261	1.64538164
ras homolog gene family, member D				ARHD			
GF200	591907	AA143436	Hs.15114	Hs.15114	CDW52 antigen (CAMPATH-1 antigen)	723.1863	1.16768214
GF202	951313	AA620591	Hs.25271	Hs.276770	CDW52	723.1067	-1.5028694
GF200	796398	AA459941	Hs.17931	Hs.139033	paternally expressed gene 3	723.0456	1.19431926
Homo sapiens cDNA FLJ10447 fis, clone				PEG3			
GF202	299559	N74995	Hs.94308	Hs.94308	FLJ10447 fis, clone	722.9989	-1.3329757
NT2RP1000851							
polymerase (DNA directed), alpha				POLA			
GF203	451706	AA707650	Hs.74090	Hs.267289	ESTs, Highly similar to	722.8937	-1.1986069
HSPC040 protein [H.sapiens]							
GF201	795582	AA459690	Hs.10459	Hs.108725	ESTs	722.8898	
GF202	268354	N25745	Hs.63169	Hs.179852	ESTs	722.8022	1.09359565
ESTs, Highly similar to CALCIUM-DEPENDENT GROUP X PHOSPHOLIPASE							
GF204	854632	AA630435	Hs.125097	Hs.193681	A2 PRECURSOR [H.sapiens]	722.6896	
GF201	782193	AA431967	Hs.93458	Hs.76136	thioredoxin	722.5681	
ESTs, Weakly similar to DRR1 [H.sapiens]				TXN			
GF202	781505	AA432152	Hs.103378	Hs.103378	ESTs, Weakly similar to DRR1 [H.sapiens]	722.2753	1.00459965

APPENDIX A

GF201	358647	W96452	Hs.46564	Hs.46564	ESTs	722.0714	
GF202	415712	W84658	Hs.122664	Hs.250900	ESTs	721.9582	1.15038708
GF204	1455600	AA863115	Hs.127324	Hs.21738	KIAA1008 protein	721.6574	
GF201	489664	AA099534	Hs.74861	Hs.74861	activated RNA polymerase II		
GF202	786550	AA452125	Hs.24233	Hs.169793	transcription cofactor 4	721.3311	
					ribosomal protein L32	721.0952	1.09717571
GF202	768997	AA424754	Hs.43149	Hs.43149	Homo sapiens mRNA for		
GF203	813997	AA455652	Hs.74514	Hs.180832	KIAA1214 protein, partial cds	721.0464	-1.204457
GF203	746064	AA482028	Hs.44770	Hs.196437	arginyl-tRNA synthetase	721.0424	1.01351679
GF202	1031984	AA609987	Hs.112798	Hs.172516	KIAA0184 protein	720.9347	-1.660402
GF200	207370	H58834	Hs.37623	Hs.37623	ESTs	720.7714	-1.9629906
GF203	826109	AA521327	Hs.41371	Hs.41371	ESTs	720.6596	1.21277584
GF203	50939	H18630	Hs.16032	Hs.16032	ESTs	720.3804	1.1429751
GF204	149721	H00477	Hs.117578	Hs.237173	KIAA0523 protein	720.375	-1.4432467
GF202	731473	AA412295	Hs.104774	Hs.104774	EST	720.3076	
GF201	810950	AA459384	Hs.105040	Hs.105040	EST	720.179	-1.1522487
					ESTs	719.9316	
GF202	417466	W88995	Hs.112169	Hs.167641	ESTs, Weakly similar to		
GF200	770570	AA434130	Hs.106051	Hs.12971	C15H9.5 [C.elegans]	719.9171	1.02543996
					thioredoxin reductase beta	719.6626	-1.7870333
					2'-5'oligoadenylate synthetase		
GF203	155806	R72244	Hs.24815	Hs.264981	2	719.652	-1.3332009
GF201	271050	N29914	Hs.108869	Hs.82002	endothelin receptor type B	719.4355	
GF204	1641132	AI015453	Hs.22313	Hs.260707	ESTs	719.4149	
					paired box gene 3		
GF204	251555	H97691	Hs.198	Hs.198	(Waardenburg syndrome 1)	719.1083	
GF202	730288	AA412509	Hs.55058	Hs.55058	EH domain containing 4	719.0442	-1.6893503
GF201	504940	AA150619	Hs.31855	Hs.165240	ESTs	719.0147	
GF204	845380	AA644099	Hs.31570	Hs.31570	ESTs	718.944	
					Homo sapiens cDNA		
					FLJ20578 fis, clone		
GF202	785732	AA449345	Hs.7731	Hs.7731	REC00607	718.839	-1.4851334
GF204	1635350	AI014387	Hs.3452	Hs.63042	DKFZp564J157 protein	718.6512	
					Homo sapiens mRNA; cDNA		
					DKFZp761L191 (from clone		
GF202	32687	R43547	Hs.6194	Hs.6194	DKFZp761L191); partial cds	718.5653	-1.5100548

## Attv Docket No. 21726/92526

Attv Docket No. 21726/92526

APPENDIX A

GF200	841263	AA487149	Hs.78890	Hs.78890	numb (Drosophila) homolog	NUMB	716.5131	1.02225953
GF201	123246	R00265	Hs.100746	Hs.269775	ESTs		716.4364	
GF201	358752	W94331	Hs.94704	Hs.64837	cystinosis, nephropathic	CTNS	716.4236	
GF201	62092	T41066	Hs.95511	Hs.95511	ESTs		716.3831	
GF201	46553	H10679	Hs.101439	Hs.101439	ESTs		716.3494	
GF204	743819	AA634384	Hs.116831	Hs.116831	EST		716.3325	
GF204	1468630	AA884636	Hs.125606	Hs.156968	EST		716.1816	
GF203	814309	AA459108	Hs.23120	Hs.23120	ESTs		716.155	-1.0965426
					Homo sapiens mRNA; cDNA			
GF204	897262	AA677643	Hs.7974	Hs.7974	DKFZp586K1220 (from clone		716.0265	
					DKFZp586K1220)			
					small inducible cytokine A1 (l-			
					309, homologous to mouse			
GF204	1570420	AA931884	Hs.72918	Hs.72918	Tca-3)	SCYA1	715.9996	
GF203	786281	AA451850	Hs.111174	Hs.269364	ESTs		715.6656	-1.4480702
					aminomethyltransferase			
					(glycine cleavage system			
GF203	248631	N59532	Hs.102	Hs.102	protein T)	AMT	715.5715	-2.3983774
GF201	262251	H99364	Hs.80768	Hs.80768	chloride channel 7	CLCN7	715.5623	
					CD86 antigen (CD28 antigen			
GF204	1569006	AA973397	Hs.27954	Hs.27954	ligand 2, B7-2 antigen)	CD86	715.522	
GF203	454205	AA677106	Hs.117031	Hs.117031	ESTs		715.2397	-1.9732916
GF200	133273	R26960	Hs.103724	Hs.103724	peripheral myelin protein 22	PMP22	715.1332	1.10339007
GF203	491001	AA136710	Hs.75207	Hs.75207	glyoxalase I	GLO1	715.0327	1.15089027
					proteolipid protein 2 (colonic			
GF200	810504	AA464627	Hs.77422	Hs.77422	epithelium-enriched)	PLP2	715.0283	-1.7683978
GF203	28277	R37472	Hs.21559	Hs.21559	EST		714.6516	-2.5123613
GF203	1455566	AA863086	Hs.258	Hs.258	adenosine A3 receptor	ADORA3	714.5361	-1.4155535
GF200	161950	H26156	Hs.24125	Hs.24125	KIAA1082 protein	KIAA1082	714.4092	1.12624324
					Homo sapiens cDNA			
					FLJ10749 fis, clone			
GF202	71902	T52152	Hs.9392	Hs.24641	NT2RP3001915		714.3196	1.24618098
					EST, Moderately similar to !!!!			
					ALU SUBFAMILY SX			
					WARNING ENTRY !!!!			
					[H.sapiens]			
GF204	1020504	AA788882	Hs.122369	Hs.209479			714.2883	

APPENDIX A

GF201	198256	R94456	Hs.35321	Hs.248821	EST, Highly similar to hypothetical protein, similar to [H.sapiens]	714.093	
GF201	809507	AA454563	Hs.25564	Hs.76294	CD63 antigen (melanoma 1 antigen)	713.847	CD63
GF203	701123	AA287350	Hs.99664	Hs.99664	ESTs, Highly similar to CMP-N-acetylneuraminic acid hydroxylase [H.sapiens]	713.8123	1.71780911
					splicing factor		
					proline/glutamine rich		
GF202	197913	R96240	Hs.35544	Hs.180610	(polypyrimidine tract-binding protein-associated)	713.7851	1.12591691
					small inducible cytokine subfamily B (Cys-X-Cys), member 10		
GF203	1493160	AA878880	Hs.2248	Hs.2248	heterogeneous nuclear ribonucleoprotein L	713.737	-1.2559329
GF203	726846	AA398352	Hs.97606	Hs.2730	ESTs	713.4039	1.48638245
GF204	45463	H09729	Hs.30644	Hs.203228	ESTs	713.1044	
GF204	1240101	AA706701	Hs.42747	Hs.42747	ESTs	713.0627	
GF204	1468093	AA889427	Hs.125960	Hs.125960	EST	713.0455	
GF202	1031593	AA609482	Hs.112547	Hs.112547	ESTs	713.0339	-1.1854868
					transmembrane 7 superfamily member 1 (upregulated in kidney)		
GF203	826256	AA520979	Hs.15791	Hs.15791	TM7SF1	713.0196	-1.6635041
					retinol-binding protein 4, interstitial		
GF201	429083	AA005202	Hs.17878	Hs.76461	RBP4	712.9671	
GF202	593793	AA167016	Hs.13975	Hs.13975	ESTs	712.9135	-1.6256145
					bone morphogenetic protein 8 (osteogenic protein 2)		
GF203	1032431	AA779480	Hs.99948	Hs.99948	BMP8	712.679	-1.7526762
GF201	182390	H42037	Hs.106366	Hs.167506	ESTs	712.5679	
					guanine nucleotide binding protein (G protein), gamma 7		
GF204	190059	H30255	Hs.127828	Hs.127828	GNG7	712.5517	
GF202	487109	AA045323	Hs.62766	Hs.62766	EST	712.4293	1.05759114
GF202	1031945	AA609767	Hs.112763	Hs.112763	ESTs	712.4293	-1.8189665

APPENDIX A

GF204	26487	R38427	Hs.21178	Hs.64064	potassium voltage-gated channel, subfamily H (eag-related), member 3 ESTs	KCNH3	712.3259	
GF204	392123	A1003755	Hs.119819	Hs.119819			712.3119	
GF203	175767	H41574	Hs.92660	Hs.54433	tenascin R (restrictin, janusin)	TNR	712.2717	-2.1037702
GF201	502506	AA134824	Hs.4865	Hs.4865	Homo sapiens mRNA for KIAA1158 protein, partial cds		712.2297	
GF200	241880	H93249	Hs.37099	Hs.155986	angiotensin receptor-like 2	AGTRL2	712.1607	-2.1953304
GF204	347378	W81098	Hs.21938	Hs.21938	ESTs, Weakly similar to KIAA0704 protein [H.sapiens]		712.0585	
GF201	811139	AA485739	Hs.73508	Hs.181366	major histocompatibility complex, class II, DR beta 5	HLA-DRB5	712.054	
GF203	362080	AA001435	Hs.114729	Hs.114729	EST		712.0047	-1.5544813
GF200	243817	N45244	Hs.12547	Hs.12547	ESTs		711.9645	-1.0188119
GF201	795893	AA460168	Hs.76556	Hs.76556	growth arrest and DNA-damage-inducible 34	GADD34	711.89	
GF203	290149	N63284	Hs.7849	Hs.7849	ESTs		711.8893	-2.3987353
GF202	593280	AA165512	Hs.72569	Hs.72569	ESTs		711.765	-1.0385647
GF202	282478	N49848	Hs.46974	Hs.46974	EST		711.7231	-1.4047344
GF202	1031172	AA609951	Hs.112791	Hs.112791	ESTs		711.6297	-1.2908662
GF201	120924	T95909	Hs.17718	Hs.268644	ESTs		711.6292	
GF203	246881	N53236	Hs.114433	Hs.187991	DKFZP564A122 protein	DKFZP564A122	711.613	-1.2785752
GF201	809611	AA458487	Hs.25632	Hs.211568	eukaryotic translation initiation factor 4 gamma, 1	EIF4G1	711.5438	
GF203	684644	AA251581	Hs.109526	Hs.109526	zinc finger protein 198	ZNF198	711.4686	-1.3232987
GF204	1292207	AA705858	Hs.119937	Hs.119937	ESTs		711.3431	
GF204	746230	AA417742	Hs.99722	Hs.99722	Homo sapiens cDNA FLJ10018 fis, clone HEMBA1000531		711.2767	
GF200	295137	N71653	Hs.32042	Hs.32042	aspartoacylase (aminoacylase 2, Canavan disease)	ASPA	711.1972	1.48217141
GF202	26182	R38431	Hs.101045	Hs.5012	brain-specific membrane-anchored protein	BSMAP	711.1866	-2.5714004

## APPENDIX A

GF203	768452	AA495922	Hs.9042	Hs.9042	chromosome 21 open reading frame 1	C21orf4	711.076	-1.0479011
GF204	1470368	AA884224	Hs.127688	Hs.127688	ESTs		711.0284	
GF203	280592	N50406	Hs.118043	Hs.191349	ESTs		710.958	1.69887775
GF203	774446	AA446120	Hs.394	Hs.394	adrenomedullin	ADM	710.9492	1.04476184
GF204	39962	R53560	Hs.7443	Hs.158291	KIAA0444 protein	KIAA0444	710.8964	
GF203	825813	AA505136	Hs.12420	Hs.12420	ESTs		710.842	-1.6671799
GF200	840620	AA488036	Hs.90438	Hs.181418	KIAA0152 gene product	KIAA0152	710.6019	-1.4518346
GF202	321958	W37733	Hs.55592	Hs.55592	ESTs		710.5293	-1.3161678
					SA (rat hypertension- associated) homolog	SAH		
GF200	296529	W01011	Hs.89659	Hs.181345	ESTs		710.5005	1.07830467
GF202	743465	AA609385	Hs.112703	Hs.112703	ESTs		710.3218	-1.4300065
GF201	271378	N34751	Hs.44621	Hs.144547	ESTs		710.0161	
GF201	769751	AA428939	Hs.89568	Hs.155314	KIAA0095 gene product	KIAA0095	709.9677	
					chloride intracellular channel 1	CLIC1		
GF200	843121	AA486518	Hs.74276	Hs.74276	KIAA1096 protein	KIAA1096	709.8995	1.07880928
GF200	194131	H51042	Hs.69559	Hs.69559	succinate dehydrogenase complex, subunit A,		709.8038	-1.0821739
					flavoprotein (Fp)	SDHA		
GF200	179336	H50345	Hs.7860	Hs.469	ESTs		709.7913	-1.1009048
GF202	128221	R12414	Hs.124245	Hs.16414	ESTs		709.7786	-1.3399886
GF201	323322	W42945	Hs.91424	Hs.171939	ESTs		709.6061	
GF202	797042	AA463221	Hs.99586	Hs.272089	ESTs		709.4443	-1.1908751
GF202	753038	AA436460	Hs.23131	Hs.23131	kinesin family member C3	KIFC3	709.4346	-1.2592365
GF202	30329	R41406	Hs.21982	Hs.167366	ESTs		709.4235	-2.7460713
GF203	433220	AA680421	Hs.90973	Hs.90973	ESTs		708.9542	-2.6993866
GF201	810571	AA464580	Hs.7232	Hs.7232	ESTs		708.8463	
GF201	366663	AA026167	Hs.48353	Hs.48353	ESTs		708.7843	
					ribosome binding protein 1 (dog 180kD homolog)	RRBP1		
GF201	810509	AA464540	Hs.23378	Hs.98614	DKFZP5861023 protein	DKFZP5861023	708.7767	
GF203	432560	AA699359	Hs.57562	Hs.111515	Homo sapiens mRNA for KIAA1340 protein, partial cds		708.7195	-1.5819415
					Homo sapiens cDNA FLJ10548 fis, clone			
GF202	249755	H85476	Hs.51743	Hs.51743	NT2RP2001969		708.587	-2.5132623
GF204	1592479	AA983267	Hs.9622	Hs.9622			708.4692	



## APPENDIX A

GF204	433310	AA699724	Hs.117332	Hs.117332	EST	708.2899
GF201	840783	AA486092	Hs.10107	Hs.103657	Homo sapiens cDNA FLJ20396 fis, clone KAT00561 transmembrane 4 superfamily member 5	707.9968
GF204	199358	R95924	Hs.107967	Hs.184194	TM4SF5 regulator of G protein signalling 6	707.8513
GF203	24176	R39325	Hs.3221	Hs.3221	RGS6	707.8261
GF200	789147	AA450189	Hs.75675	Hs.146580	enolase 2, (gamma, neuronal) glutamate receptor, metabotropic 3	707.6041
GF201	287843	N62328	Hs.108060	Hs.3786	GRM3 ESTs, Moderately similar to NuMA protein [H.sapiens]	707.2631
GF200	897901	AA598659	Hs.115973	Hs.168516	ESTs, Moderately similar to NuMA protein [H.sapiens]	707.1875
GF200	897901	AA598659	Hs.100002	Hs.168516		707.1875
GF202	344959	W72870	Hs.58241	Hs.58241	Homo sapiens gene for serine/threonine protein kinase apical protein, Xenopus laevis- like	707.142
GF200	178818	H49455	Hs.2391	Hs.2391	APXL	706.9943
GF203	814158	AA496253	Hs.9754	Hs.9754	activating transcription factor 5	706.844
GF204	448782	AA777567	Hs.38207	Hs.38207	ESTs	706.8423
GF202	262912	H99659	Hs.7086	Hs.7086	ESTs	706.8112
GF203	824508	AA490520	Hs.62529	Hs.62529	ESTs	706.7792
GF201	782783	AA448177	Hs.8949	Hs.8949	ESTs, Weakly similar to antennal-specific short-chain dehydrogenase/reductase [D.melanogaster] nuclear receptor co-repressor 2	706.7559
GF202	743230	AA400234	Hs.120980	Hs.120980	NCOR2	706.704
GF203	882522	AA676466	Hs.76753	Hs.160786	argininosuccinate synthetase	706.7032
GF203	196032	R89356	Hs.34287	Hs.34287	ESTs	706.5889
GF202	283122	N45223	Hs.46494	Hs.46494	EST	706.5013
GF201	272200	N31493	Hs.44249	Hs.146233	ESTs	706.4783

APPENDIX A

GF201	68818	T53431	Hs.9614	Hs.9614	ESTs	706.4575	
GF203	396192	AA757819	Hs.109766	Hs.109766	ESTs	706.3871	-1.2410869
GF204	1594019	AA988701	Hs.79058	Hs.79058	suppressor of Ty (S.cerevisiae) 4 homolog 1	706.3846	
GF200	246524	N73242	Hs.20295	Hs.20295	CHK1 (checkpoint, S.pombe) homolog	706.3563	1.37200227
GF202	306269	N90598	Hs.54639	Hs.54639	ESTs	706.0265	1.00026344
					cell division cycle 10 (homologous to CDC10 of S. cerevisiae)	705.9223	-1.4458213
GF202	742542	AA400010	Hs.97748	Hs.184326	Homo sapiens clone 25186 mRNA sequence	705.6745	-1.5384379
GF202	487086	AA045300	Hs.62760	Hs.5985	phosphatidylinositol-4- phosphate 5-kinase, type II, alpha	705.4511	-2.5568732
GF202	60605	T40568	Hs.124728	Hs.108966	DiGeorge syndrome gene D	705.2068	
GF201	429721	AA011681	Hs.83775	Hs.83775	inositol 1,4,5-trisphosphate 3- kinase B	705.1343	-1.6513437
GF200	276091	R94153	Hs.78877	Hs.78877	EST	705.0829	
GF204	52004	H24458	Hs.32085	Hs.32085	plasminogen	705.0272	
GF204	858644	AA774309	Hs.51919	Hs.75576	Homo sapiens cDNA	704.9875	
GF204	1466549	AA885140	Hs.124382	Hs.12920	FLJ20668 fis, clone KIAA585	704.9629	-1.8189588
GF202	1031156	AA609934	Hs.112788	Hs.112788	EST	704.9101	-1.7307193
GF200	727551	AA393214	Hs.83795	Hs.83795	interferon regulatory factor 2		
					kynurenine 3-monoxygenase (kynurenine 3-hydroxylase)	704.8782	-1.4711953
GF203	34526	R44396	Hs.23693	Hs.107318	ESTs	704.7295	
GF204	856887	AA669600	Hs.72956	Hs.196244	KIAA1009 protein	704.702	
GF201	340808	W56794	Hs.56179	Hs.202276	chromosome 8 open reading frame 1	704.6601	-1.084381
GF203	682085	AA256275	Hs.88034	Hs.40539			
					Human Chromosome 16 BAC clone CIT987SK-A-101F10	704.3109	1.19232095
GF200	280837	N50770	Hs.5320	Hs.5320	sialyltransferase	703.972	1.28666419
GF200	823590	AA497051	Hs.10937	Hs.107573	sialyltransferase	703.972	1.28666419
GF200	823590	AA497051	Hs.118009	Hs.107573	sialyltransferase		

APPENDIX A

GF203	769024	AA426309	Hs.39526	Hs.39526	ESTs	703.8765	1.03097775
GF202	214713	H73806	Hs.108278	Hs.165195	ESTs	703.8073	-1.1365059
GF200	129616	R16656	Hs.91384	Hs.91384	ESTs	703.7759	-1.4378372
GF201	299664	N75017	Hs.102319	Hs.227146	Homo sapiens mRNA; cDNA DKFZp564J142 (from clone DKFZp564J142)	703.1993	
GF203	430931	AA678308	Hs.96200	Hs.96200	neighbor of A-kinase anchoring protein 95	703.1621	1.04117551
GF200	897835	AA598582	Hs.111611	Hs.151134	oxidase (cytochrome c) assembly 1-like	702.9698	-1.2370214
GF201	809850	AA455108	Hs.6518	Hs.6518	ganglioside expression factor 2	702.7328	
GF204	745484	AA625964	Hs.8834	Hs.8834	ESTs, Weakly similar to KERATIN, TYPE I	702.7163	
GF203	785417	AA476626	Hs.11498	Hs.184325	CYTOSKELETAL 9 [H.sapiens]	702.6517	-1.1314301
GF201	281039	N47717	Hs.106066	Hs.153179	CGI-76 protein fatty acid binding protein 5 (psoriasis-associated)	702.6376	
GF203	281103	N50935	Hs.102652	Hs.102652	ESTs, Weakly similar to KIAA0437 [H.sapiens]	702.5975	-1.4118207
GF200	71432	T47813	Hs.76034	Hs.278657	macrophage stimulating 1 (hepatocyte growth factor-like)	702.5356	1.29856174
GF203	1493175	AA878899	Hs.79222	Hs.79222	galactosidase, beta 1	702.0769	-1.3117349
GF201	416092	W85881	Hs.16279	Hs.16279	ESTs	702.0596	
GF200	128695	R16524	Hs.22015	Hs.202589	ESTs	701.9664	1.05021966
GF200	121458	T97471	Hs.16400	Hs.16400	ESTs, Weakly similar to Hrs [H.sapiens]	701.9584	1.05141263
GF200	133236	R26929	Hs.90372	Hs.90372	ESTs	701.9099	1.22169596
GF202	251452	H97993	Hs.108826	Hs.172788	ALEX3 protein	701.5796	1.2258146
GF201	110744	T90560	Hs.77059	Hs.180903	hypothetical protein discoidin domain receptor family, member 2	701.5185	
GF200	668442	AA243828	Hs.71891	Hs.71891	DDR2	701.3402	1.32191683
GF202	491712	AA150459	Hs.72068	Hs.72068	ESTs	701.041	2.14702987
GF201	307740	N92947	Hs.20255	Hs.20255	ESTs	701.0394	

APPENDIX A

ESTs, Highly similar to RNA-BINDING PROTEIN EWS									
GF203	814618	AA480982	Hs.48306	Hs.48306	[H.sapiens]				
GF202	277083	N39603	Hs.45034	Hs.45034	EST				
GF201	76355	T60121	Hs.90659	Hs.10700	hypothetical protein				
GF202	843276	AA488658	Hs.100461	Hs.218329	hypothetical protein				
GF203	128668	R16801	Hs.106510	Hs.106510	ESTs				
GF204	416525	W86978	Hs.131375	Hs.131375	ESTs				
GF203	451795	AA706815	Hs.120963	Hs.120963	ESTs				
					corticotropin releasing				700.9675
					hormone-binding protein				700.8009
									700.5167
									700.4564
									700.4326
									700.1402
									700.138
GF200	701231	AA287695	Hs.77260	Hs.115617			CRHBP		1.43720786
Human Chromosome 16 BAC									
GF203	133238	R26707	Hs.24103	Hs.24103	clone CIT987SK-A-363E6				
GF203	868168	AA633825	Hs.11261	Hs.11261	ESTs				
GF200	126508	R06738	Hs.19779	Hs.220823	ESTs				
					aminolevulinate, delta-,				
GF200	813651	AA453691	Hs.78712	Hs.78712	synthase 1				
GF204	239937	H81935	Hs.81446	Hs.81446	ESTs				
					folate hydrolase (prostate-				
					specific membrane antigen) 1		FOLH1		699.9352
					X-ray repair complementing				699.7362
					defective repair in Chinese				699.4296
					hamster cells 5 (double-strand-				
					break rejoining; Ku				
					autoantigen, 80kD)		XRCC5		699.1893
GF203	878676	AA775355	Hs.84981	Hs.84981					
									698.7111
									-1.4343719
HLA-B associated transcript-1									
GF204	1293145	AA682749	Hs.11404	Hs.55296	ESTs				
GF202	282633	N50039	Hs.47004	Hs.47004					
					CDC7 (cell division cycle 7, S.				698.6708
					cerevisiae, homolog)-like 1		CDC7L1		698.4566
					heat shock 10kD protein 1				698.3455
					(chaperonin 10)		HSPE1		
GF200	781341	AA448396	Hs.1197	Hs.1197	ESTs				
GF201	308467	N95499	Hs.82117	Hs.270740					
									698.0942
									698.0343
									1.19708749

APPENDIX A

GF201	39920	R53935	Hs.73812	Hs.260061	ESTs, Highly similar to MULTIDRUG RESISTANCE PROTEIN 3 [H.sapiens] nuclear receptor interacting protein 1	NRIP1	697.9943	
GF200	809627	AA458503	Hs.79108	Hs.155017	ESTs		697.9575	1.21792511
GF204	470220	AA030006	Hs.124185	Hs.124185	Human clone 23759 mRNA, partial cds		697.9418	
GF204	23759	R38171	Hs.113381	Hs.118666	ESTs		697.9384	-1.4288211
GF202	357364	W93709	Hs.59492	Hs.161585	BAI1-associated protein 2	BAIAP2	697.7088	-1.6526794
GF202	42271	R60328	Hs.7936	Hs.7936	ESTs		697.7082	1.02624963
GF203	203782	H56372	Hs.37303	Hs.192924	neural precursor cell expressed, developmentally down-regulated 1	NEDD1	697.6191	
GF204	1276346	AA693510	Hs.121033	Hs.121033	EST		697.4235	-1.2868199
GF202	731128	AA417089	Hs.98205	Hs.98205	ESTs		697.4166	-1.4186963
GF203	486288	AA043945	Hs.24435	Hs.24435	DKFZP434A043 protein	DKFZP434A043	697.2963	-1.2775717
GF203	815279	AA481540	Hs.102708	Hs.102708	EST		697.2633	-2.3193379
GF200	201784	R99938	Hs.36189	Hs.36189	erythrocyte membrane protein band 4.1-like 1	EPB41L1	697.2548	
GF200	155575	R71689	Hs.26395	Hs.26395	cytochrome b5 reductase 1 (B5R.1)	LOC51706	697.0506	-1.888373
GF204	1636523	AA999976	Hs.5508	Hs.5508	chimerin (chimaerin) 2	CHN2	696.949	
GF203	81558	T63420	Hs.88804	Hs.15202	mercaptopyruvate sulfurtransferase		696.6047	-1.5087272
GF204	731241	AA416693	Hs.115446	Hs.74097	Homo sapiens cDNA FLJ11011 fis, clone PLACE1003174, moderately similar to UBIQUITIN-	MPST	696.5391	
GF204	1623328	AI015196	Hs.21275	Hs.21275	CONJUGATING ENZYME E2- 18 KD (EC 6.3.2.19)		696.4787	
GF200	28475	R13434	Hs.83114	Hs.83114	crystallin, zeta (quinone reductase)	CRYZ	696.376	1.39262374
GF201	154790	R55303	Hs.1827	Hs.1827	nerve growth factor receptor (TNFR superfamily, member 16)	NGFR	696.3212	

[illegible]

APPENDIX A

ESTs, Weakly similar to !!!!									
ALU SUBFAMILY SP									
WARNING ENTRY !!!!									
						</			

APPENDIX A

GF200	809901	AA464342	Hs.83164	Hs.83164	collagen, type XV, alpha 1 ESTs	COL15A1	692.7969	-1.5940364
GF202	296172	N74367	Hs.118191	Hs.118191			692.7766	-1.1914306
GF202	841195	AA487070	Hs.22615	Hs.165998	DKFZP564M2423 protein	DKFZP564M2423	692.681	1.21357542
GF201	504575	AA149198	Hs.13393	Hs.198135	KIAA0993 protein	KIAA0993	692.6689	
GF202	627343	AA190785	Hs.42821	Hs.23585	KIAA1078 protein	KIAA1078	692.6083	-1.1219267
GF204	1033983	AA628862	Hs.116273	Hs.116273	EST		692.5914	
					galactose-1-phosphate uridylyltransferase			
GF203	1435029	AA857212	Hs.75641	Hs.75641	ESTs	GALT	692.4097	-2.0395461
GF203	788225	AA453441	Hs.31511	Hs.31511	ESTs		692.2994	-1.3791279
GF203	701461	AA287964	Hs.64988	Hs.193423	ESTs		692.2988	-1.3485688
					achaete-scute complex			
GF200	774082	AA441935	Hs.96944	Hs.1619	(Drosophila) homolog-like 1	ASCL1	692.166	-1.2786312
					achaete-scute complex			
GF200	774082	AA441935	Hs.1619	Hs.1619	(Drosophila) homolog-like 1	ASCL1	692.166	-1.2786312
					phosphodiesterase 4D, cAMP- specific (dunce (Drosophila))- homolog phosphodiesterase			
GF200	746321	AA481397	Hs.89407	Hs.172081	E3)	PDE4D	692.036	1.39925037
GF201	162753	H27554	Hs.31208	Hs.173749	ESTs		691.8334	
GF202	115277	T86932	Hs.131924	Hs.131924	G protein-coupled receptor 65	GPR65	691.7843	-1.4113847
GF200	841501	AA487265	Hs.77665	Hs.77665	KIAA0102 gene product	KIAA0102	691.6057	1.07519886
GF204	1292733	AA719362	Hs.120378	Hs.120378	EST		691.5818	
GF202	795773	AA460331	Hs.99528	Hs.99528	ESTs		691.4644	-1.6753826
					suppressor of clear, C.			
GF204	472103	AA037031	Hs.61594	Hs.104315	elegans, homolog of	SHOC2	691.4161	
GF204	867751	AA780745	Hs.121037	Hs.192398	ESTs		691.1113	
					stress 70 protein chaperone,			
GF201	222025	H85557	Hs.118980	Hs.106369	microsome-associated, 60kD	STCH	690.9543	
GF201	491478	AA150298	Hs.62640	Hs.269275	ESTs		690.8564	
GF200	33045	R19478	Hs.89604	Hs.169266	neuropeptide Y receptor Y1	NPY1R	690.6837	-1.1314258
GF202	286608	N67323	Hs.50152	Hs.265642	ESTs		690.4895	1.87918366
					inhibin, beta B (activin AB beta polypeptide)	INHBB		
GF204	323599	W44338	Hs.1735	Hs.1735	ESTs		690.3145	
GF200	124730	R00928	Hs.19026	Hs.191419	ESTs		690.187	-1.2252238
GF203	279873	N40997	Hs.45105	Hs.45105	ESTs		690.1561	-1.0078109



APPENDIX A

GF203	214059	H72878	Hs.108377	Hs.108377	ESTs	690.0587	-2.3930522
GF202	339235	W60983	Hs.124735	Hs.52526	KIAA0669 gene product	690.0046	-2.1222438
GF202	1031588	AA609314	Hs.112687	Hs.112687	EST	689.9127	-1.2859259
GF203	452672	AA779223	Hs.122087	Hs.122087	EST	689.5563	-1.4409633
GF200	296180	W00899	Hs.44766	Hs.44766	retinitis pigmentosa 2 (X-linked recessive)	689.53	1.42820407
GF202	744632	AA621302	Hs.13073	Hs.13073	ESTs	689.5101	-1.2952801
GF202	52315	H23162	Hs.108009	Hs.6482	Homo sapiens map 17q24; 5.13cR from GATA41C05		
GF200	196501	R91550	Hs.75412	Hs.75412	repeat region, complete sequence	689.4527	-2.6913935
GF200	754046	AA480035	Hs.18212	Hs.18212	Arginine-rich protein	689.4081	-2.4502098
GF202	784163	AA432112	Hs.26764	Hs.26764	DNA segment on chromosome X (unique) 9879		
GF203	361570	AA017170	Hs.36240	Hs.172458	expressed sequence	689.3607	-1.0359151
GF201	469306	AA026118	Hs.1473	Hs.1473	KIAA0546 protein	689.1845	-1.2821861
GF201	809961	AA454836	Hs.5717	Hs.169407	iduronate 2-sulfatase (Hunter syndrome)		
GF203	770879	AA434403	Hs.106196	Hs.106196	gastrin-releasing peptide	689.1031	-1.5160922
GF204	1055677	AA628225	Hs.116219	Hs.128371	suppressor of actin mutations	689.0115	
GF201	416128	W86002	Hs.33944	Hs.33944	2, yeast, homolog-like	688.9874	
GF201	417404	W88562	Hs.108198	Hs.108198	8D6 antigen	688.9823	-1.7306878
GF203	970271	AA775957	Hs.33016	Hs.274371	ESTs	688.5651	
GF202	843008	AA488391	Hs.21756	Hs.21756	ESTs, Weakly similar to !!!!		
GF204	462409	AA699882	Hs.117348	Hs.32587	ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
					[H.sapiens]	688.5079	
					ESTs	688.3679	
					ATPase, Na+/K+ transporting, alpha 3 polypeptide	688.1648	-1.1118923
					translation factor su11 homolog GC20	687.9512	1.21618238
					ESTs	687.9265	

APPENDIX A

GF201	41495	R54073	Hs.6394	Hs.40337	Homo sapiens cDNA FLJ11219 fis, clone PLACE1008122	687.5829	
GF203	451511	AA707336	Hs.121731	Hs.191996	Human DNA sequence from clone 261K5 on chromosome 6q21-22.1. Contains the 3' part of the gene for a novel organic cation transporter (BAC ORF RG331P03), the DDO gene for D-aspartate oxidase (EC 1.4.3.1), ESTs, STSs, GSSs and two putative CpG islands YDD19 protein SEC24 (S. cerevisiae) related gene family, member B ESTs sarcoglycan, delta (35kD dystrophin-associated glycoprotein) KIAA0992 protein ESTs ESTs ESTs nuclear receptor subfamily 5, group A, member 2 ESTs, Weakly similar to PYRUVATE CARBOXYLASE PRECURSOR [M.musculus] pregnancy specific beta-1- glycoprotein 5 hypothetical protein caspase 8, apoptosis-related cysteine protease ESTs	687.3439	-1.0212913
GF202	29430	R41217	Hs.21656	Hs.25615		687.1871	-1.5964087
GF204	1613449	AA991931	Hs.7239	Hs.7239		687.1509	
GF204	744014	AA629035	Hs.119228	Hs.179756		687.1321	
GF200	666829	AA234982	Hs.44029	Hs.151899		687.1215	-1.1245385
GF202	754250	AA479270	Hs.108588	Hs.258812		687.0291	-1.8087064
GF201	415095	W93382	Hs.59446	Hs.189917		686.9821	
GF202	1031804	AA609647	Hs.112740	Hs.112740		686.9644	1.00334363
GF203	430720	AA678087	Hs.118387	Hs.269526		686.7534	-1.3395052
GF201	246872	N59115	Hs.91310	Hs.183123		686.7178	
GF204	490649	AA101777	Hs.47649	Hs.47649		686.6681	
GF202	279319	N48620	Hs.93960	Hs.251850		686.5928	-2.4537674
GF201	266250	N26714	Hs.43846	Hs.91973		686.5362	
GF200	782488	AA448468	Hs.19949	Hs.19949		686.4741	1.03428019
GF204	379346	AA778432	Hs.5858	Hs.203961		686.4476	

## APPENDIX A

GF200	208769	H61037	Hs.70404	Hs.70404	ESTs, Weakly similar to !!!! ALU SUBFAMILY SB WARNING ENTRY !!!! [H.sapiens] ubiquitin-activating enzyme E1, like DKFZP564M2423 protein ESTs, Weakly similar to WNT- 1 PROTO-ONCOGENE PROTEIN PRECURSOR [H.sapiens] eukaryotic translation initiation factor 4B	686.3414  686.1603 686.1271  686.1014 685.9383	1.1210609   1.08997706  -1.4220268 -1.2561729
GF202	687972	AA236986	Hs.29764	Hs.29764	Homo sapiens cDNA FLJ11021 fis, clone PLACE1003704, weakly similar to SPLICING FACTOR, ARGININE/SERINE-RICH 4 ESTs, Weakly similar to THIOREDOXIN [H.sapiens] mitogen-activated protein kinase 1 ESTs ESTs		
GF200	138374	R68102	Hs.21801	Hs.93379			
GF203	283723	N50738	Hs.114241	Hs.81648		685.9034	-1.2064888
GF202	782171	AA431210	Hs.98712	Hs.98712		685.7162	-1.02802
GF201	491012	AA120887	Hs.103766	Hs.66151	MAPK1	685.6731	
GF202	731376	AA416740	Hs.109104	Hs.174104		685.5385	-2.4179649
GF200	292230	N68171	Hs.49459	Hs.49459		685.3215	-1.2244285
GF204	1032774	AA628410	Hs.76705	Hs.159628	protease inhibitor 4 (kallistatin) PI4 eukaryotic translation initiation factor 3, subunit 5 (epsilon, 47kD) syntaphilin ESTs S-adenosylhomocysteine hydrolase-like 1 antizyme inhibitor	685.2143	
GF202	809881	AA455151	Hs.33060	Hs.7811	EIF3S5	685.1195	1.12035575
GF203	1476214	AA872045	Hs.100837	Hs.100837	KIAA0374	685.0831	-2.3514498
GF203	450136	AA703432	Hs.124013	Hs.124013		685.0082	-2.2922711
GF201	809758	AA454718	Hs.4113	Hs.4113		684.9863	
GF201	882571	AA676515	Hs.109931	Hs.223014	LOC51582	684.8627	

APPENDIX A

GF201	299360	N75581	Hs.118962	Hs.118962	far upstream element (FUSE)		
GF201	488155	AA046406	Hs.3929	Hs.100134	binding protein 1	FUBP1	684.5737
GF202	254315	N22269	Hs.43129	Hs.43129	ESTs		684.5687
					ESTs		684.3053 1.097248
GF200	42076	R60847	RG.53	Hs.250897	TRK-fused gene (NOTE: non-		
GF202	418159	W90588	Hs.59284	Hs.6139	standard symbol and name)	TFG	683.871 -1.325753
					synaptogyrin 1	SYNGR1	683.8259 -1.5419986
					Homo sapiens mRNA; cDNA		
GF203	309447	N94344	Hs.55036	Hs.8769	DKFZp564E153 (from clone		
					DKFZp564E153)		683.5305 -1.9986965
					Homo sapiens mRNA; cDNA		
GF203	451649	AA706901	Hs.11673	Hs.11673	DKFZp564D246 (from clone		
					DKFZp564D246)		683.5137 1.12598229
GF202	752802	AA426408	Hs.6314	Hs.6314	type I transmembrane receptor		
					(seizure-related protein)	PSK-1	683.3162 -2.6023392
GF203	38213	R49329	Hs.106084	Hs.7734	Homo sapiens cDNA		
GF203	739230	AA421335	Hs.26002	Hs.26002	FLJ20684 fis, clone KAIA3469		683.2722 -1.3816608
					LIM domain binding 1	LDB1	683.0201 -1.2062884
					interferon, gamma-inducible		
GF200	824602	AA491191	Hs.75783	Hs.155530	protein 16	IFI16	682.9164 1.02908462
GF203	272750	N36233	Hs.113612	Hs.242894	ADP-ribosylation factor-like 1	ARL1	682.5725 1.26561442
GF202	44092	H06282	Hs.14665	Hs.14665	ESTs		682.477 -1.4425789
GF204	506550	AA709037	Hs.82290	Hs.5898	KIAA0668 protein	KIAA0668	682.4297
					CREB binding protein		
GF200	364329	AA023014	Hs.23598	Hs.23598	(Rubinstein-Taybi syndrome)	CREBBP	682.3566 1.00836781
GF203	279979	N38888	Hs.27566	Hs.27566	Homo sapiens mRNA for		
					KIAA1173 protein, partial cds		681.9835 -1.9962308
					ESTs, Weakly similar to !!!!!		
					ALU CLASS B WARNING		
GF200	295604	N66845	Hs.49271	Hs.165411	ENTRY !!!!! [H.sapiens]		
GF202	82236	T68887	Hs.11910	Hs.11910	ESTs		681.9112 1.17527573
GF204	1048861	AA778529	Hs.121398	Hs.121398	ESTs		681.7775 1.78956555
GF204	773308	AA425386	Hs.29255	Hs.184164	ESTs		681.6852
GF202	742776	AA400188	Hs.71791	Hs.71791	hypothetical protein	AF060862	681.6766 -2.3188518

APPENDIX A

GF202	786673	AA451903	Hs.24764	Hs.5011	RNA binding motif protein 9 Homo sapiens homeobox protein (HOX-1.3) gene, complete cds	RBM9	681.6006	-2.0092199
GF203	1155071	AA706301	Hs.37034	Hs.37034	hydroxysteroid (17-beta) dehydrogenase 3		681.5663	1.06528424
GF200	758222	AA437291	Hs.477	Hs.477	Homo sapiens mRNA; cDNA DKFZp762M127 (from clone DKFZp762M127)	HSD17B3	681.4587	1.23893382
GF201	357298	W93688	Hs.22483	Hs.22483	ESTs		681.4544	
GF203	129447	R11217	Hs.108495	Hs.194485	ESTs, Moderately similar to pot. lamimin-binding protein [H.sapiens]		681.4313	-1.5808329
GF202	74051	T48293	Hs.56537	Hs.221760	ESTs		681.3882	-1.7188341
GF201	271926	N35250	Hs.53031	Hs.53031	Homo sapiens mRNA; cDNA DKFZp761E0711 (from clone DKFZp761E0711)		681.2372	
GF203	897868	AA598632	Hs.110095	Hs.110095	ESTs		681.1375	-2.7453495
GF202	784177	AA446658	Hs.95663	Hs.95663	ESTs, Weakly similar to homolog of Drosophila discs large protein, isoform 2 [H.sapiens]		681.0972	-1.8708299
GF204	1459105	AA865202	Hs.66295	Hs.66295	ESTs, Weakly similar to KIAA0801 protein [H.sapiens]		680.8737	
GF200	204083	H55893	Hs.95321	Hs.95321	EST		680.822	1.10469548
GF202	377644	AA055969	Hs.63237	Hs.63237	ESTs		680.7977	-1.3200631
GF201	267241	N24581	Hs.43230	Hs.43230	Homo sapiens paired mesoderm homeo box 1 (PMX1), mRNA		680.346	
GF203	853367	AA663309	Hs.55395	Hs.30528	synapsin I	SYN1	680.3107	-1.4645932
GF201	178950	H48153	Hs.75099	Hs.225936	ESTs		680.1938	
GF203	785928	AA449703	Hs.13328	Hs.13328	ESTs		680.1859	-1.0908183
GF201	282884	N45114	Hs.46476	Hs.46476	GIOT-4 for gonadotropin inducible transcription repressor-4		680.0777	
GF202	950497	AA599140	Hs.112508	Hs.197219		GIOT-4	680.0511	1.06881261

GF202	731115	AA417280	Hs.98215	Hs.98215	ESTs	ESTs	679.7529	-1.3133483
					Homo sapiens mRNA; cDNA			
					DKFZp434E1212 (from clone			
					DKFZp434E1212)			
GF203	435524	AA701375	Hs.120439	Hs.120439	ESTs		679.7445	1.22564501
GF203	152270	H04757	Hs.117592	Hs.117592	ESTs		679.568	-1.1982665
GF201	417067	W87385	Hs.47435	Hs.47435	ESTs		679.5289	
					early growth response 2 (Krox-			
GF201	781017	AA446027	Hs.1395	Hs.1395	20 (Drosophila) homolog)	EGR2	679.0867	
					TIA1 cytotoxic granule-			
					associated RNA-binding			
GF203	187029	R82978	Hs.239489	Hs.239489	protein	TIA1	679.0667	-1.2497035
					glycoprotein (transmembrane)			
GF201	345616	W72431	Hs.103169	Hs.82226	nmb	GNMB	678.9702	
GF202	730398	AA469939	Hs.105323	Hs.105323	ESTs		678.9489	-1.0363855
					ESTs, Weakly similar to			
GF204	768263	AA424993	Hs.73680	Hs.73680	KIAA0750 protein [H.sapiens]		678.9107	
					N-methylpurine-DNA			
GF203	269606	N26769	Hs.79396	Hs.79396	glycosylase	MPG	678.8824	-1.3518405
					protein tyrosine phosphatase,			
GF200	146123	R79082	Hs.79005	Hs.79005	receptor type, K	PTPRK	678.6672	-1.4137174
					lymphocyte-specific protein			
GF200	730410	AA469965	RG.62	Hs.1765	tyrosine kinase	LCK	678.6533	-1.0954659
GF202	1034902	AA621637	Hs.113001	Hs.113001	ESTs		678.4594	-1.632674
GF204	461454	AA705022	Hs.120806	Hs.269562	ESTs		678.2753	
					Homo sapiens cDNA			
					FLJ10956 fis, clone			
					PLACE1000420, weakly			
					similar to 7,8-DIHYDRO-8-			
					OXOGUANINE			
					TRIPHOSPHATASE (EC			
					3.1.6.-)			
GF201	203008	H54263	Hs.102106	Hs.144407	ESTs		678.1737	1.18159724
GF202	347730	W84891	Hs.58664	Hs.169440	ESTs		678.1209	-1.6029012
GF203	767991	AA418828	Hs.43273	Hs.43273	ESTs		678.0337	

APPENDIX A

GF202	587356	AA132874	Hs.24989	ESTs	677.8973	1.29078573
GF200	130857	R22212	Hs.23361	ESTs	677.8323	1.47483158
GF201	213233	H69819	Hs.81461	KIAA1007 protein	677.8261	
GF202	773548	AA428179	Hs.98542	EST	677.6899	-1.8922588
GF203	684311	AA235974	Hs.87517	ESTs	677.6554	-1.7576315
GF201	773208	AA425650	Hs.7525	thyroid hormone receptor interactor 8	677.6461	
				tyrosine 3-		
				monoxygenase/tryptophan 5-		
				monoxygenase activation		
GF201	811166	AA485749	Hs.104960	protein, zeta polypeptide	677.6311	
GF204	743818	AA634374	Hs.116829	ESTs	677.5466	
GF201	264105	N20577	Hs.194071	ESTs	677.52	
				paired box gene 5 (B-cell lineage specific activator protein)		
GF203	129613	R16555	Hs.22030	ESTs	677.4316	-2.1220962
GF202	115205	T86429	Hs.111725	ESTs	677.3768	1.51440472
GF201	47452	H11448	Hs.24794	ESTs	677.3583	
GF203	133150	R26444	Hs.24078	ESTs	677.2823	1.15626888
GF200	841331	AA487643	Hs.79889	monocyte to macrophage differentiation-associated	677.2336	1.26229411
GF204	1475476	AA857809	Hs.37107	melanoma antigen, family A, 4	677.1968	
GF202	277707	N49581	Hs.124723	EST	677.1719	-1.5641162
GF200	727229	AA293860	Hs.32353	mitogen-activated protein kinase kinase kinase 4	677.0573	1.34117375
GF201	136676	R35079	Hs.91589	vesicle-associated membrane protein 2 (synaptobrevin 2)	676.9918	
GF202	29841	R41560	Hs.13547	Homo sapiens clone 25052	676.673	-1.1847209
GF203	435493	AA701361	Hs.119235	mRNA sequence	676.5912	-1.6395497
				ESTs		
				fatty acid binding protein 3, muscle and heart (mammary- derived growth inhibitor)		
GF203	486394	AA044307	Hs.49881	FABP3	676.4858	-1.305607
GF204	245877	N52272	Hs.32675	ESTs	676.3244	

APPENDIX A

GF202	417094	W87394	Hs.58972	Hs.58972	ESTs eukaryotic translation initiation factor 4B	EIF4B	676.3085	-1.0052965
GF203	430948	AA678315	Hs.119654	Hs.93379	ESTs		676.1451	-1.9856943
GF201	416107	W85998	Hs.106451	Hs.20340	ESTs		676.1411	
GF202	589967	AA147769	Hs.71856	Hs.261362	ESTs		676.1095	1.72691434
GF201	840460	AA485865	Hs.1732	Hs.237868	interleukin 7 receptor Homo sapiens cDNA	IL7R	676.0374	
					FLJ10347 fis, clone			
					NT2RM2001035, highly similar to CCR4-ASSOCIATED			
GF202	752634	AA419602	Hs.17035	Hs.226318	FACTOR 1		675.9688	-1.4783308
					ESTs, Moderately similar to			
GF204	855496	AA664149	Hs.10597	Hs.226046	HHLA3 protein [H.sapiens]		675.954	
GF201	78353	T56281	Hs.110440	Hs.8765	RNA helicase-related protein	RNAHP	675.7026	
GF202	1031402	AA609161	Hs.112657	Hs.98806	hypothetical protein	FLJ20485	675.6035	-2.0961836
GF200	124891	R06119	Hs.13911	Hs.13911	ESTs		675.5212	1.08073899
GF201	756533	AA436440	Hs.74631	Hs.74631	basigin	BSG	675.4291	
					ESTs, Moderately similar to			
GF204	471568	AA035430	Hs.109706	Hs.109706	HN1 [M.musculus]		675.3088	
GF202	770704	AA476294	Hs.79110	Hs.79110	nucleolin	NCL	675.2514	-1.4375678
					ESTs, Weakly similar to !!!			
					ALU CLASS B WARNING			
GF203	739244	AA421037	Hs.110965	Hs.110965	ENTRY !!! [H.sapiens]		675.0524	-2.4322416
GF201	299609	N70848	Hs.106364	Hs.238797	ESTs		675.0204	
GF203	35311	R45404	Hs.22902	Hs.22902	ESTs		674.8281	1.04655462
GF201	278761	N66550	Hs.49161	Hs.269120	ESTs		674.8111	
					Homo sapiens cDNA			
					FLJ11174 fis, clone			
GF204	453083	AA779293	Hs.24359	Hs.24359	PLACE1007367		674.8064	
GF201	52026	H22932	Hs.27186	Hs.27186	ESTs		674.7664	
GF204	1460824	AA889787	Hs.125905	Hs.5460	activator of CREM in testis	ACT	674.7373	
GF201	345849	W70343	Hs.81993	Hs.102267	lysyl oxidase	LOX	674.5586	
					Homo sapiens mRNA; cDNA			
					DKFZp564D246 (from clone			
GF201	249949	H97000	Hs.102361	Hs.11673	DKFZp564D246)		674.276	
GF203	197914	R96235	Hs.117755	Hs.121576	aspartate beta-hydroxylase	ASPH	674.0488	-1.8317301



APPENDIX A

GF204	856504	AA633545	Hs.70333	Hs.70333	hypothetical protein	LOC51322	673.8712
GF204	39824	R53431	Hs.22256	Hs.164502	ESTs		673.786
GF201	287745	N62244	Hs.77048	Hs.151518	TAR (HIV) RNA-binding protein 1	TARBP1	673.6172
GF204	291724	N74507	Hs.121592	Hs.121592	ESTs		673.5728
GF203	450645	AA682490	Hs.116693	Hs.182923	mannosidase, alpha, class 2A, member 2	MAN2A2	673.512
GF201	252515	H87471	Hs.81771	Hs.169139	kynureninase (L-kynurenine hydrolase)	KYNU	673.3478
GF203	768993	AA425166	Hs.98497	Hs.98497	ESTs		673.3478
GF202	257249	N26908	Hs.43872	Hs.260779	ESTs		673.3333
GF202	118078	T92418	Hs.16829	Hs.159306	ESTs		673.1105
GF204	447480	AA702220	Hs.119488	Hs.119488	ESTs, Weakly similar to BRX protein [M.musculus]		672.8428
GF201	130201	R21535	Hs.83733	Hs.83733	intercellular adhesion molecule 2	ICAM2	672.5319
GF201	346899	W78169	Hs.58280	Hs.58280	ESTs		672.4592
GF204	233589	H77361	Hs.39743	Hs.203514	ESTs		672.3367
GF202	757246	AA426026	Hs.86089	Hs.187615	ESTs		671.9491
GF200	48285	H12189	Hs.74427	Hs.74427	p53-induced protein	PIG11	-2.5010838
GF200	724615	AA291398	Hs.84746	Hs.84746	chromosome condensation 1	CHC1	-1.7106029
					ESTs, Highly similar to leucine-rich-repeat protein		-1.0406094
GF204	379709	AA778089	Hs.126085	Hs.126085	[M.musculus]		671.608
GF203	435350	AA700730	Hs.113108	Hs.99872	fetal Alzheimer antigen	FALZ	-1.0159084
GF204	472081	AA036952	Hs.50841	Hs.50841	ESTs, Weakly similar to tuftelin [M.musculus]		671.2065
					deiodinase, iodothyronine, type II	DIO2	671.0496
GF200	362694	AA018134	Hs.42263	Hs.154424	neuronal pentraxin receptor	NPTXR	671.0051
GF204	40014	R52651	Hs.91622	Hs.91622	ESTs		670.918
GF201	249707	H85465	Hs.107134	Hs.28886	cysteine dioxygenase, type I	CDO1	-1.1145755
GF200	823562	AA497111	Hs.3229	Hs.3229			670.8723

[illegible]

GF204	502311	AA156787	Hs.118718	Hs.203846	Human DNA sequence from clone 109F14 on chromosome 6p21.2-21.3. Contains the alternatively spliced gene for Transcriptional Enhancer Factor TEF-5, the 60S Ribosomal Protein RPL10A gene, a PUTATIVE ZNF127 LIKE gene, and the PPAR $\delta$ for Peroxisome Proliferato	670.8008	
GF201	416627	W86630	Hs.32765	Hs.82567	ESTs	670.7609	
GF202	767747	AA418042	Hs.18999	Hs.4278	KIAA0999 protein	670.7592	KIAA0999
GF201	795746	AA460299	Hs.78200	Hs.78200	ESTs	670.6587	
					ESTs, Highly similar to SECRETOGGRANIN III		
GF204	858401	AA634158	Hs.22215	Hs.22215	PRECURSOR [M.musculus]	670.6494	
GF204	700574	AA283942	Hs.89257	Hs.89257	ESTs	670.5009	
GF202	898038	AA598943	Hs.112496	Hs.112496	ESTs	670.3812	-1.2427535
GF200	376516	AA041499	Hs.62354	Hs.62354	cell division cycle 4-like	670.2587	1.59317391
GF202	429333	AA007502	Hs.60215	Hs.60215	EST	670.1256	-1.493302
					Homo sapiens cDNA FLJ11290 fis, clone PLACE1009622, weakly similar to MATERNAL		
GF204	788549	AA452829	Hs.20967	Hs.96870	EFFECT PROTEIN STAUFEN	670.098	
					Homo sapiens mRNA; cDNA DKFP564M0763 (from clone DKFP564M0763)		
GF203	855422	AA664020	Hs.8175	Hs.8175		670.0723	1.90810314
					ESTs, Highly similar to TRAF4 associated factor 1 [H.sapiens]		
GF202	111812	T91225	Hs.112307	Hs.181466	paired box gene 8	669.9213	-1.3803988
GF200	742101	AA405891	Hs.73149	Hs.73149	YDD19 protein	669.9122	1.32357409
GF201	70202	T50075	Hs.9099	Hs.25615	ESTs	669.8522	
GF203	294066	N68504	Hs.118180	Hs.118180		669.6764	-1.2712176

## APPENDIX A

GF204	1276641	AA776775	Hs.98612	Hs.98612	ESTs ESTs, Weakly similar to Similar to S.cerevisiae hypothetical protein L3111 [H.sapiens] X-ray repair complementing defective repair in Chinese hamster cells 4 ESTs DKFZP564O1863 protein platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit (45kD)	669.6553
GF202	768965	AA425545	Hs.104613	Hs.104613		669.6371
GF200	26811	R14027	Hs.21523	Hs.150930	XRCC4	1.07261125
GF201	259896	N32909	Hs.44401	Hs.167678		669.6212
GF203	283382	N52763	Hs.11814	Hs.173074	DKFZP564O1863	-1.73555516
GF203	878178	AA775445	Hs.77318	Hs.77318	PAFAH1B1	-1.9048363
GF200	129392	R11236	Hs.113078	Hs.14337	ESTs, Weakly similar to weakly similar to ANK repeat region of Fowlpox virus BamHI- orf7 protein [C.elegans] microphthalmia-associated transcription factor pigment epithelium-derived factor adenosine deaminase Homo sapiens cDNA FLJ10803 fis, clone NT2RP4000833 peptide transporter 3 ESTs high-mobility group protein 2- like 1 ESTs ESTs KIAA1012 protein ESTs, Weakly similar to E- SELECTIN PRECURSOR [H.sapiens]	-1.1826132
GF203	278570	N66177	Hs.82000	Hs.166017	MITF	-1.9124664
GF201	810290	AA463946	Hs.17353	Hs.173594	PEDF	668.9684
GF203	505881	AA683578	Hs.1217	Hs.1217	ADA	-2.3373495
GF203	246800	N59078	Hs.8173	Hs.8173		-1.201428
GF204	1631132	AA994205	Hs.11388	Hs.237856	LOC51296	668.4391
GF200	292939	N91101	Hs.23188	Hs.35096		668.1555
GF201	323074	W42451	Hs.92260	Hs.92260	HMG2L1	668.1318
GF202	842882	AA486412	Hs.30622	Hs.30622		668.1317
GF201	491435	AA150435	Hs.72063	Hs.72063		667.9126
GF202	772888	AA479887	Hs.112297	Hs.42959	KIAA1012	1.01443814
GF203	136246	R33858	Hs.24712	Hs.271350		667.8198
						1.00258129

APPENDIX A

GF201	124239	R02333	Hs.16162	Hs.215725	ESTs	667.7612	
GF200	810445	AA464470	Hs.99908	Hs.159637	valyl-tRNA synthetase 2	667.6147	1.04227295
GF202	838818	AA457675	Hs.99467	Hs.185813	ESTs	667.5759	-1.0167949
GF201	115333	T86959	Hs.111815	Hs.193626	ESTs	667.4968	
					solute carrier family 5 (sodium-dependent vitamin transporter), member 6		
GF202	625623	AA186605	Hs.5167	Hs.5167	SLC5A6	667.4826	1.30905225
GF201	1030953	AA620357	Hs.111747	Hs.5009	ESTs, Weakly similar to mTERF [H.sapiens]	667.4021	
					ATP synthase, H+ transporting, mitochondrial F0 complex, subunit b, isoform 1		
GF200	813712	AA453849	Hs.77199	Hs.81634	ATP5F1	667.3326	-1.150887
					protein phosphatase 1, catalytic subunit, gamma isoform		
GF204	1637343	A1015359	Hs.79081	Hs.79081	PPP1CC	667.2086	
					Homo sapiens mRNA; cDNA DKFZp434O0921 (from clone DKFZp434O0921)		
GF204	1033334	AA621378	Hs.99508	Hs.99508	ESTs	667.1914	
GF201	416556	W86987	Hs.20573	Hs.20573	ESTs	667.1003	
GF204	1292225	AA705911	Hs.119928	Hs.220957	ESTs	667.0924	
					ESTs, Weakly similar to !!!		
					ALU SUBFAMILY SC		
					WARNING ENTRY !!!!		
GF202	731223	AA416733	Hs.95051	Hs.95051	[H.sapiens]	667.0309	-1.2988886
GF204	31056	R42490	Hs.12449	Hs.12449	ESTs	667.0208	
					ESTs, Highly similar to 4F5S		
GF203	788363	AA453032	Hs.32567	Hs.32567	[H.sapiens]	666.4974	-1.8938198
GF201	213747	H72319	Hs.39320	Hs.167606	ESTs	666.4445	
GF204	853968	AA669516	Hs.116680	Hs.116680	ESTs	665.8829	
					LIM domain only 2 (rhombotin-like 1)		
GF200	810521	AA464644	Hs.78822	Hs.184585	LMO2	665.7656	1.39797103
					small inducible cytokine subfamily A (Cys-Cys), member 16		
GF201	77539	T58775	Hs.10458	Hs.10458	SCYA16	665.6309	

## APPENDIX A

GF202	592707	AA160606	Hs.95915	Hs.23076	Homo sapiens mRNA for KIAA1406 protein, partial cds	665.6284	-1.2142181
GF200	470846	AA031770	Hs.97914	Hs.9605	pre-mRNA cleavage factor Im (25kD)	665.3544	-1.5083047
GF204	202799	H53968	Hs.119356	Hs.193811	ESTs, Weakly similar to ZK757.1 [C.elegans]	665.3372	
GF204	1460247	AA883339	Hs.125446	Hs.125446	ESTs	665.2906	
GF201	773330	AA425450	Hs.82226	Hs.82226	glycoprotein (transmembrane) nmb	665.2802	
GF201	415288	W92120	Hs.94339	Hs.155160	Splicing factor, arginine/serine-rich, 46kD	665.1306	
GF204	878517	AA775845	Hs.22802	Hs.93379	eukaryotic translation initiation factor 4B	665.1245	
GF204	461628	AA705262	Hs.18375	Hs.226434	beta-transducin repeat containing	665.1201	
GF203	687638	AA235343	Hs.13132	Hs.13132	ESTs	664.9945	-2.0240897
GF200	194182	H51066	Hs.54515	Hs.23581	Homo sapiens mRNA for leptin receptor gene-related protein	664.8183	1.22219098
GF200	194182	H51066	Hs.23581	Hs.23581	Homo sapiens mRNA for leptin receptor gene-related protein	664.8183	1.22219098
GF201	356883	W84638	Hs.106184	Hs.169854	ESTs	664.5867	
GF200	135777	R33193	Hs.24601	Hs.24601	ESTs	664.4913	1.33080487
GF200	788745	AA451781	Hs.39913	Hs.39913	novel RGD-containing protein	664.4582	-1.6060687
GF204	415549	W80510	Hs.130842	Hs.269679	ESTs	664.4071	
					Homo sapiens cDNA FLJ10909 fis, clone		
					OVARC1000091, weakly similar to HOST CELL		
GF202	843163	AA488367	Hs.20597	Hs.20597	FACTOR C1	664.3817	-1.8933794
GF201	415891	W86391	Hs.55427	Hs.125043	ESTs	664.3638	
GF202	625875	AA186804	Hs.25740	Hs.25740	ERO1 (S. cerevisiae)-like	664.3621	1.22927295
					TERF1 (TRF1)-interacting		
GF202	251682	H96734	Hs.7797	Hs.7797	nuclear factor 2	664.2841	1.00542835
GF204	452916	AA778851	Hs.120379	Hs.120379	ESTs	664.2081	

APPENDIX A

GF200	759164	AA496013	Hs.1087	Hs.1087	serine/threonine kinase 2 ESTs	STK2	664.1947	1.21950078
GF202	626908	AA191404	Hs.104072	Hs.104072	guanine nucleotide binding protein (G protein), gamma 7 proteasome (prosome, macropain) subunit, beta type, 2	GNG7	663.8628	-1.6262639
GF203	433571	AA701654	Hs.119692	Hs.127828	cytochrome b-245, alpha polypeptide	PSMB2	663.7621	-2.5896364
GF202	122241	T98663	Hs.116554	Hs.1390	Ras-associated protein Rap1 chromosome 21 open reading frame 1	CYBA	663.6011	1.19261275
GF203	1161830	AA876021	Hs.68877	Hs.68877	ESTs	LOC51277	663.3421	-1.2809022
GF201	283080	N51304	Hs.47225	Hs.47225	Human clone A9A2BR11 (CAC)n/(GTG)n repeat- containing mRNA	C21orf4	663.332	
GF204	1256714	AA876148	Hs.125326	Hs.9042	ESTs		663.253	
GF204	460479	AA677703	Hs.114686	Hs.193613	ESTs		663.0942	
GF204	1635836	AA995945	Hs.129593	Hs.87150	KIAA0729 protein	KIAA0729	663.0854	-1.7249898
GF202	511096	AA088458	Hs.19322	Hs.19322	EST		663.0558	-1.1696311
GF202	781105	AA430050	Hs.19542	Hs.180948	EST		662.9247	
GF204	1460827	AA89798	Hs.125997	Hs.125997	EST		662.8933	
GF202	290525	N68000	Hs.49424	Hs.49424	Homo sapiens mRNA; cDNA DKFZp564E1363 (from clone DKFZp564E1363)		662.8779	-1.1758562
GF202	841067	AA486770	Hs.21321	Hs.21321	pyruvate kinase, liver and RBC PKLR ESTs		662.4507	1.21570931
GF202	234522	H77542	Hs.117731	Hs.95990	IGF-II mRNA-binding protein 3 KOC1 ESTs		662.3421	-2.3210483
GF202	36369	R62461	Hs.13314	Hs.13314	Homo sapiens cDNA FLJ10012 fis, clone HEMBA1000307		662.0866	-1.3688748
GF203	624744	AA187143	Hs.79440	Hs.79440	guanine nucleotide binding protein (G protein), gamma 3, linked	GNG3LG	661.9554	-1.0770967
GF203	48923	H14830	Hs.31286	Hs.31286	ESTs		661.8727	-1.079876
GF202	796606	AA460521	Hs.108881	Hs.108881	ESTs		661.8034	-1.3431447
GF201	809357	AA456571	Hs.21970	Hs.21970			661.3091	
GF201	488888	AA046067	Hs.62921	Hs.177192			661.2102	

## APPENDIX A

GF203	416202	W86106	Hs.32376	Hs.210749	proline synthetase co-transcribed (bacterial homolog)	PROSC	660.9815	-1.6356496
GF201	769890	AA430382	Hs.75514	Hs.75514	nucleoside phosphorylase	NP	660.9353	
GF201	282787	N49979	Hs.43586	Hs.43586	ESTs		660.931	
GF201	490178	AA121266	Hs.34641	Hs.272458	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha)	PPP3CA	660.8944	
GF204	471755	AA035494	Hs.11924	Hs.11924	ESTs		660.6996	
GF203	30428	R42061	Hs.22517	Hs.22517	EST		660.6328	-1.3465823
GF203	289822	N62180	Hs.117679	Hs.75887	coatamer protein complex, subunit alpha	COPA	660.6141	1.01727811
GF204	234172	H70623	Hs.17746	Hs.226313	ESTs		660.5784	
GF201	342208	W63785	Hs.57843	Hs.57843	ESTs		660.5413	
GF201	460403	AA677534	Hs.54451	Hs.54451	laminin, gamma 2 (nicein (100kD), kalinin (105kD), BM600 (100kD), Herlitz junctional epidermolysis bullosa))	LAMC2	660.5341	
GF203	434782	AA701866	Hs.100914	Hs.100914	Homo sapiens cDNA FLJ10352 fis, clone NT2RM2001152		660.4423	-1.1791635
GF201	73596	T55607	Hs.9922	Hs.35086	ubiquitin-specific protease 1	USP1	660.4067	
GF201	503541	AA133778	Hs.95734	Hs.95734	ESTs		660.1845	
GF201	66656	T67223	Hs.83722	Hs.83722	ESTs		660.1175	
GF201	782766	AA448160	Hs.5624	Hs.239155	ESTs, Highly similar to NY-REN-45 antigen [H.sapiens]		660.0947	
GF201	417804	W88747	Hs.18636	Hs.117592	ESTs		660.0916	
GF203	796659	AA461485	Hs.97932	Hs.97932	chondromodulin I precursor	CHM-I	659.7722	-1.7595816
GF204	1556056	AA975388	Hs.37044	Hs.37044	peripherin	PRPH	659.7386	
GF202	838732	AA457543	Hs.118373	Hs.107187	divalent cation tolerant protein	LOC51596	659.5077	2.79103595
GF204	549867	AA100957	Hs.8279	Hs.209100	CUTA	DKFZP434C171	659.4892	
GF202	276126	R93984	Hs.128742	Hs.192993	DKFZP434C171 protein	ESTs	659.4841	-1.6777383

APPENDIX A

GF200	469345	AA026831	Hs.12337	Hs.12337	kinase insert domain receptor (a type III receptor tyrosine kinase) Homo sapiens cDNA FLJ11147 fis, clone PLACE1006678, weakly similar to Homo sapiens mRNA for type II membrane protein, clone:HP10328 ESTs ESTs, Weakly similar to cDNA EST yk375c3.5 comes from this gene [C.elegans] ESTs ESTs KIAA0180 protein ESTs guanine nucleotide regulatory protein (oncogene) vacuolar protein sorting 26 (yeast homolog) ESTs ESTs ESTs ESTs ESTs Sec61 gamma potassium inwardly-rectifying channel, subfamily J, member 13 ESTs prosaposin (variant Gaucher disease and variant metachromatic leukodystrophy) desmoglein 1	KDR	659.4504	-1.0200423
GF200	149742	R82733	Hs.100983	Hs.173203			659.1583	1.08854572
GF202	265522	N21368	Hs.108920	Hs.108920			659.1493	-2.2472117
GF204	1602018	AA988574	Hs.69192	Hs.69192			658.863	
GF204	859534	AA686647	Hs.103301	Hs.194563			658.8071	
GF201	795347	AA453260	Hs.98179	Hs.178067			658.5994	
GF200	112131	T91958	Hs.90981	Hs.178292		KIAA0180	658.4462	1.78999386
GF203	713286	AA283029	Hs.55533	Hs.55533			658.4113	-1.4151006
GF200	131867	R24543	Hs.25155	Hs.25155		NET1A	658.3924	1.23400584
GF202	529147	AA064946	Hs.67052	Hs.67052		VPS26	658.2834	1.64848579
GF200	123354	T99617	Hs.13852	Hs.13852			658.2028	-1.0528744
GF202	129777	R16983	Hs.22085	Hs.22085			658.1235	-1.0166993
GF202	797009	AA463509	Hs.99596	Hs.99596			658.0732	-1.241718
GF201	772944	AA476251	Hs.6783	Hs.6783			658.0571	
GF202	39306	R51357	Hs.4212	Hs.4212			657.9972	-1.4490789
GF200	358456	W96107	Hs.9950	Hs.9950		SEC61G	657.3174	-1.3648785
GF201	79808	T63998	Hs.11364	Hs.11364		KCNJ13	657.2357	
GF204	40063	R51988	Hs.124258	Hs.247124			657.2236	
GF201	291255	N72215	Hs.50201	Hs.78575		PSAP	657.1217	
GF202	376423	AA041388	Hs.110416	Hs.2633		DSG1	657.0246	-1.0358808



APPENDIX A

GF201	429942	AA034062	Hs.38750	Hs.38750	ESTs, Moderately similar to mSin3A associated polypeptide p30 [H.sapiens] ESTs	656.9872	
GF201	22144	T72562	Hs.12576	Hs.112198		656.8415	
GF200	234237	H69334	Hs.38842	Hs.79259		656.794	1.45564368
GF201	291955	N67509	Hs.49343	Hs.114062	ESTs, Weakly similar to T15B7.2 [C.elegans]	656.7207	
GF203	195960	R91388	Hs.91426	Hs.151411		656.7003	1.10176905
GF204	186304	H29758	Hs.106377	Hs.45719		656.5182	
GF200	183462	H45455	Hs.26232	Hs.26232	mannosidase, alpha, class 2C, member 1	656.5142	1.06681879
GF203	855805	AA664069	Hs.115779	Hs.115779		656.509	-1.4113564
GF202	592523	AA160484	Hs.72451	Hs.72451	ESTs, Weakly similar to Glutamate/lysine rich second exon shows similarity to rat neurofilament triplet M protein [C.elegans]	656.5085	1.30328407
GF200	165878	R87964	Hs.91296	Hs.91296		656.4528	1.5413853
GF202	251645	H97033	Hs.42338	Hs.42338		656.3803	1.19627936
GF202	297186	N70455	Hs.49872	Hs.49872		656.2862	1.3612407
GF202	511417	AA126010	Hs.70903	Hs.70903		656.1572	-1.5021199
					ITGA8		
GF201	299274	N70632	Hs.11553	Hs.184261	ESTs, Weakly similar to putative type III alcohol dehydrogenase [D.melanogaster] regenerating islet-derived 1 alpha (pancreatic stone protein, pancreatic thread protein)	655.8682	
GF201	745343	AA625655	Hs.1032	Hs.1032		655.7484	
GF200	753917	AA479252	Hs.28757	Hs.28757		655.6929	1.16618255
GF204	860000	AA663472	Hs.116908	Hs.139226	transmembrane 9 superfamily member 2	655.668	
					TM9SF2		
GF204	1586251	AA974173	Hs.6776	Hs.6776	replication factor C (activator 1) 2 (40kD)		
					RFC2		
					Homo sapiens NPD008 protein (NPD008) mRNA, complete cds		

APPENDIX A

GF203	245838	N55326	Hs.47951	Hs.184134	ESTs	655.5819	-2.3776704
GF201	755689	AA496438	Hs.1497	Hs.1497	retinoic acid receptor, gamma ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing) ESTs ESTs Homo sapiens mRNA; cDNA DKFZp434K1323 (from clone DKFZp434K1323); partial cds ESTs ESTs, Weakly similar to anagen-specific protein mKAP13 [M.musculus]	655.4931	
GF200	898262	AA598670	Hs.2055	Hs.2055	UBE1	655.4811	1.35628097
GF203	726679	AA398331	Hs.97612	Hs.97612		655.3945	-2.0636835
GF203	282094	N48258	Hs.46645	Hs.46645		655.2468	1.05944335
GF201	811138	AA485730	Hs.21346	Hs.21346		655.0473	
GF202	731432	AA412067	Hs.98117	Hs.98117		655.037	-1.0757313
GF201	377610	AA055833	Hs.58152	Hs.58152		654.9767	
GF201	487860	AA045462	Hs.21146	Hs.96870	Homo sapiens cDNA FLJ11290 fis, clone PLACE1009622, weakly similar to MATERNAL EFFECT PROTEIN STAUFEN ESTs, Weakly similar to unknown protein [R.norvegicus]	654.9022	
GF200	199251	R95780	Hs.35460	Hs.221867		654.8975	1.0423694
GF204	844955	AA773544	Hs.4205	Hs.4205	Homo sapiens cDNA FLJ20383 fis, clone KAlA2948 dynein, cytoplasmic, light intermediate polypeptide 2 Homo sapiens mRNA for KIAA1172 protein, partial cds adenovirus 5 E1A binding protein hyaluronan-mediated motility receptor (RHAMM)	654.8173	
GF203	703800	AA278319	Hs.44251	Hs.194625		654.7416	-1.1197666
GF203	725629	AA293728	Hs.125134	Hs.125134		654.6378	-1.8210872
GF201	971382	AA683058	Hs.108547	Hs.3238		654.5424	
GF200	128947	R10284	Hs.72550	Hs.72550		654.3623	1.05038376

APPENDIX A

GF203	788524	AA452801	Hs.99291	Hs.99291	ESTs, Weakly similar to KIAA1006 protein [H.sapiens]	654.1938	-1.3817954
GF203	683721	AA215643	Hs.16181	Hs.7120	cytokine receptor-like molecule 9	654.1669	-1.4193827
GF204	1455524	AA863050	Hs.88373	Hs.88373	ESTs	654.079	
GF201	795216	AA453593	Hs.7735	Hs.78768	BB1	653.6407	
GF200	123441	R00595	Hs.18907	Hs.99858	ribosomal protein L7a	653.4984	1.96365885
GF204	460412	AA677528	Hs.117063	Hs.117063	EST	653.3738	
GF202	43461	H05934	Hs.12871	Hs.12871	hypothetical protein	653.3539	-1.4138811
GF200	783836	AA443659	Hs.89430	Hs.154095	zinc finger protein 143 (clone pHZ-1)	653.3148	-1.1334265
GF203	396252	AA757932	Hs.121260	Hs.121260	EST	653.2147	1.29833854
GF204	399240	AA774478	Hs.111136	Hs.238756	ESTs, Weakly similar to unknown [H.sapiens]	653.1788	
GF203	38803	R49116	Hs.25067	Hs.25067	EST	653.1674	-2.246686
GF201	503851	AA130042	Hs.34782	Hs.34782	ESTs	653.1279	
GF201	51799	H23524	Hs.31988	Hs.8059	Homo sapiens mRNA for KIAA1342 protein, partial cds	653.0643	
GF201	487444	AA046528	Hs.7351	Hs.7351	cyclic AMP phosphoprotein, 19 kD	653.0352	
GF202	283312	N45313	Hs.46507	Hs.153958	ESTs	652.9867	-1.4332236
GF201	344135	W73793	Hs.58338	Hs.58338	ESTs, Weakly similar to ZINC FINGER PROTEIN 33A	652.9446	
GF204	133179	R25403	Hs.113329	Hs.52788	[H.sapiens] fragile X mental retardation, autosomal homolog 2	652.8386	
GF200	810063	AA465021	Hs.27184	Hs.27184	growth factor, erv1 (S. cerevisiae)-like (augmenter of liver regeneration)	652.5309	1.21644534
GF202	1031903	AA609731	Hs.110538	Hs.101025	basic transcription factor 3	652.4718	-1.9566277
GF201	359285	AA016234	Hs.93764	Hs.93764	ESTs	652.4453	
GF204	1650998	AI022531	Hs.123641	Hs.123641	protein tyrosine phosphatase, receptor type, beta polypeptide	652.4271	
GF203	460143	AA676865	Hs.16811	Hs.188965	PTPRB	652.4197	-1.8428777

## APPENDIX A

GF204	180018	R85466	Hs.107770	Hs.58215	ESTs, Moderately similar to rhotekin [M.musculus]	652.2979
GF202	627272	AA191336	Hs.22166	Hs.22051	Homo sapiens mRNA; cDNA DKFZp434O119 (from clone DKFZp434O119)	652.2685 -1.0092068
GF203	1456962	AA865878	Hs.104730	Hs.149570	actin related protein 2/3 complex, subunit 4 (20 kD) ARPC4	651.8064 -1.4967577
GF200	112371	T90841	Hs.90997	Hs.9754	activating transcription factor 5 ATF5 Human DNA sequence from clone RP4-676J13 on chromosome 6q14. Contains the 3' end of the gene for flavohemoprotein b5+b5R cytochrome b-type NAD(P)H oxidoreductase, ESTs, STSs and GSSs	651.788 -2.2584437
GF201	743367	AA400321	Hs.5741	Hs.5741	KIAA0828 protein	651.7004
GF203	263955	H99883	Hs.4984	Hs.4984	ESTs	651.5219 1.2803759
GF204	745512	AA626236	Hs.116135	Hs.116135	JAK binding protein	651.5073
GF201	811006	AA485355	Hs.104474	Hs.50640	SS1-1	651.459
GF200	240914	H90161	Hs.64592	Hs.42676	KIAA0781 protein	651.2803 -1.8366779
GF201	31818	R41730	Hs.66187	Hs.66187	Homo sapiens clone 23700 mRNA sequence	651.2802
GF204	120423	T95862	Hs.17697	Hs.17697	ESTs	651.1172
GF201	298134	N70776	Hs.94234	Hs.94234	frizzled (Drosophila) homolog 1 FZD1	651.0311
GF204	446927	AA699697	Hs.2037	Hs.241570	tumor necrosis factor (TNF superfamily, member 2) TNF	650.9458
GF203	192401	H38425	Hs.124979	Hs.124979	ESTs	650.8018 1.38561629
GF201	503914	AA131769	Hs.61441	Hs.61441	KIAA1311 protein	650.7126
GF204	461770	AA682392	Hs.5241	Hs.5241	ESTs	650.7048
GF201	855624	AA664101	Hs.76392	Hs.76392	aldehyde dehydrogenase 1, soluble ALDH1	650.6924
GF200	897652	AA496795	Hs.66392	Hs.66392	intersectin 1 (SH3 domain protein) ITSN1	650.6669 -1.0147005

APPENDIX A

GF200	381287	AA057232	Hs.32721	Hs.32721	S-antigen; retina and pineal gland (arrestin)	650.54	1.36704325
GF204	26297	R20628	Hs.21373	Hs.169927	ESTs	650.5194	
GF203	221928	H85528	Hs.83815	Hs.269217	ESTs, Moderately similar to RETINOBLASTOMA-LIKE	650.5096	-1.5408897
GF204	1460257	AA883353	Hs.125450	Hs.125450	PROTEIN 1 [H.sapiens]	650.4289	
					EST		
					ESTs, Highly similar to NADP-DEPENDENT LEUKOTRIENE B4 12-		
					HYDROXYDEHYDROGENAS		
GF200	345055	W76331	Hs.114670	Hs.114670	E [H.sapiens]	650.3394	-1.4375362
GF204	1460297	AA883375	Hs.121776	Hs.121776	ESTs	650.3027	
GF203	788555	AA452831	Hs.5364	Hs.5364	DKFZP5641052 protein	650.2564	-1.1808296
GF202	296468	N70203	Hs.49805	Hs.210105	EST	650.235	1.55912941
GF202	784100	AA443846	Hs.86071	Hs.86071	ESTs	650.0881	-1.2917054
GF204	1505279	AA905833	Hs.126123	Hs.126123	ESTs	649.7087	
GF202	898252	AA598665	Hs.7977	Hs.7977	KIAA0411 gene product	649.7056	-2.3168155
GF201	781089	AA430032	Hs.7487	Hs.252587	pituitary tumor-transforming 1	649.566	
					ESTs, Moderately similar to Similar to protocadherin-3		
GF202	345262	W72881	Hs.58254	Hs.266470	[H.sapiens]	649.539	-1.0180939
					ESTs, Weakly similar to		
GF202	40965	R56234	Hs.106292	Hs.106292	KIAA0940 protein [H.sapiens]	649.4434	-1.3885892
GF203	435055	AA701444	Hs.117145	Hs.179864	ESTs	649.4299	1.00225845
					Homo sapiens cDNA		
GF203	746348	AA481403	Hs.107213	Hs.107213	FLJ20585 fis, clone KAT09510	649.3717	-1.2344987
GF201	415144	W95076	Hs.107861	Hs.271639	ESTs	649.264	
GF202	626364	AA189052	Hs.78767	Hs.236828	KIAA0419 gene product	649.0075	1.03179194
					Homo sapiens clone 25085		
GF203	343760	W69271	Hs.36181	Hs.9167	mRNA sequence	648.9281	-1.096215
GF200	814214	AA465570	Hs.82076	Hs.153678	reproduction 8	648.9176	1.3131255
					coronin, actin-binding protein, 2B		
GF203	303199	N92783	Hs.24907	Hs.24907	CORO2B	648.816	1.15480029

## APPENDIX A

GF202	279278	N48590	Hs.46693	Hs.46693	ESTs ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!!	648.8101	-1.7379099
GF202	796084	AA460366	Hs.99201	Hs.192915	[H.sapiens]	648.7747	-1.1214081
GF204	430715	AA678094	Hs.103218	Hs.103218	ESTs	648.5408	
GF204	234348	H95253	Hs.42053	Hs.42053	ESTs, Weakly similar to MAD	648.5048	
GF203	811803	AA463476	Hs.24307	Hs.24307	PROTEIN [H.sapiens] F-box protein Fbw3 hematopoietic cell-specific Lyn	648.4796	1.41031894
GF200	767183	AA424575	Hs.14601	Hs.14601	substrate 1	648.47	-1.3608398
GF204	1434924	AA857110	Hs.124636	Hs.124636	ESTs	648.4213	
GF202	1048586	AA608856	Hs.123994	Hs.431	murine leukemia viral (bmi-1) oncogene homolog	648.2416	-1.2860501
GF204	868736	AA775157	Hs.125175	Hs.5807	hypothetical protein	648.2164	
GF201	491644	AA150263	Hs.107139	Hs.107139	hypothetical protein	648.135	
GF204	240990	H90907	Hs.114196	Hs.271711	ESTs	648.1292	
GF201	357531	W94009	Hs.44166	Hs.44166	ESTs	648.0966	
GF200	825271	AA504442	Hs.75383	Hs.268053	KIAA0029 protein	648.0891	-1.0311514
GF202	50175	H17486	Hs.31487	Hs.278383	ESTs	647.9679	-1.1047138
GF203	206341	H58736	Hs.57637	Hs.57637	ESTs	647.7487	-1.8243364
GF200	124822	R05837	Hs.19569	Hs.19569	ESTs	647.5447	1.05630802
GF200	774082	AA441935	Hs.96944	Hs.1619	achaete-scute complex (Drosophila) homolog-like 1	647.4966	-1.2176855
GF200	774082	AA441935	Hs.1619	Hs.1619	achaete-scute complex (Drosophila) homolog-like 1	647.4966	-1.2176855
GF201	268188	N30161	Hs.40637	Hs.40637	proline-rich Gla (G- carboxyglutamic acid) polypeptide 1	647.4584	
GF202	593474	AA159900	Hs.72318	Hs.72318	ESTs, Weakly similar to hypothetical protein		
GF203	713347	AA283609	Hs.88503	Hs.182980	[H.sapiens]	647.3612	2.04707317
GF204	757384	AA437132	Hs.7870	Hs.7870	ESTs	647.2595	1.40836534
GF203	450402	AA682863	Hs.118002	Hs.118002	hypothetical protein	647.243	
GF200	214077	H70815	Hs.23368	Hs.23368	ESTs	647.0637	-1.2789037
					ESTs	646.9901	-1.1249379

## APPENDIX A

GF201	283919	N50797	Hs.37641	Hs.28777	H2A histone family, member L	646.7552
GF204	759184	AA496030	Hs.6845	Hs.6845	ESTs	646.7379
GF203	384257	AA702104	Hs.64783	Hs.64783	ESTs, Weakly similar to predicted using Genefinder [C.elegans]	646.6808 1.27382495
GF203	813639	AA447743	Hs.43548	Hs.12592	period (Drosophila) homolog 3	646.5784 1.09603306
GF202	418248	W90735	Hs.59332	Hs.59332	ESTs	646.5309 1.41347549
GF201	795358	AA453485	Hs.97885	Hs.165335	ESTs	646.4897
GF201	138369	R68106	Hs.119428	Hs.278443	Fc fragment of IgG, low affinity Ilg, receptor for (CD32) Homo sapiens mRNA, chromosome 1 specific transcript KIAA0493	646.333
GF200	136557	R34603	Hs.24822	Hs.251108	ESTs	646.3168 1.10049564
GF203	664969	AA194830	Hs.85944	Hs.85944	ESTs	646.2078 -2.7506934
GF201	279171	N46849	Hs.42403	Hs.172971	ESTs	646.1827
GF203	755584	AA419200	Hs.5737	Hs.5737	KIAA0475 gene product NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9 (22kD, B22) dual-specificity tyrosine-(Y)- phosphorylation regulated kinase 2	646.1743 -1.3348961
GF204	1631762	A1025126	Hs.15977	Hs.15977	ESTs, Weakly similar to !!! ALU SUBFAMILY SQ WARNING ENTRY !!! [H.sapiens]	646.1136
GF204	50884	H18429	Hs.26236	Hs.173135	signal recognition particle receptor ('docking protein') putative human HLA class II associated protein I ESTs	645.9653
GF202	118049	T92200	Hs.16547	Hs.227505	ESTs	645.935 -1.3152417
GF200	898242	AA598621	Hs.75730	Hs.75730	SRPR	645.9196 1.31713759
GF201	755881	AA496539	Hs.54476	Hs.179902	PHAP1	645.7393
GF202	530036	AA070487	Hs.5997	Hs.5997	ESTs	645.7373 1.0446905
GF204	124948	R05945	Hs.119631	Hs.191198	ESTs	645.5272

APPENDIX A

GF200	42076	R60846	Hs.118891	Hs.250897	TRK-fused gene (NOTE: non-standard symbol and name)	TGF	645.4764	-1.1083207
GF200	347687	W81562	Hs.119516	Hs.274368	Homo sapiens mRNA; cDNA DKFZp58611524 (from clone DKFZp58611524)		645.3955	1.43638132
GF200	810092	AA465031	Hs.8517	Hs.8517	pleckstrin homology, Sec7 and coiled/coil domains 2 (cytohesin-2)	PSCD2	645.3249	1.08954993
GF204	970743	AA774839	Hs.12836	Hs.200598	KIAA0537 gene product	KIAA0537	644.892	
GF202	665668	AA194019	Hs.29216	Hs.17283	Homo sapiens cDNA		644.5715	-2.6484316
GF200	229651	H66442	Hs.38508	Hs.124705	FLJ10890 fis, clone		644.496	1.33088837
GF202	611481	AA180237	Hs.102367	Hs.102367	NT2RP4002071		644.4876	1.01593112
GF201	366009	AA063624	Hs.66954	Hs.71040	Homo sapiens cDNA		644.4743	
GF202	376664	AA046116	Hs.62917	Hs.61441	FLJ20425 fis, clone KAT02707	KIAA1311	644.4531	-1.1319361
GF201	415828	W84789	Hs.79712	Hs.75874	KIAA1311 protein		644.4148	
GF203	450962	AA704401	Hs.97266	Hs.97266	pregnancy-associated plasma protein A	PAPPA	644.3702	-1.6253903
GF203	767843	AA418743	Hs.98306	Hs.98306	hypothetical protein	DKFZP434B0923	644.3584	-1.6314503
GF201	278874	N63032	Hs.48694	Hs.260930	ESTs		644.2765	
GF202	281659	N48050	Hs.93953	Hs.167708	ESTs		643.8503	-1.133593
GF200	712641	AA280514	Hs.100096	Hs.218791	megakaryocyte stimulating factor	MSF	643.8062	-1.0156171
GF200	712641	AA280514	Hs.80749	Hs.218791	megakaryocyte stimulating factor	MSF	643.8062	-1.0156171
GF204	1572526	AA934704	Hs.54413	Hs.54413	retinoic acid responsive	NN8-4AG	643.696	
GF202	288892	N62618	Hs.48584	Hs.48584	EST		643.6744	-1.1565564
GF200	136855	R36212	Hs.70203	Hs.235534	ESTs		643.2506	-1.5013597
GF204	1461158	AA868028	Hs.126093	Hs.168955	EST		643.249	
GF201	416611	W86466	Hs.103182	Hs.132756	ESTs, Weakly similar to		643.2401	
GF200	294445	W01511	Hs.49964	Hs.269139	KIAA0591 protein [H.sapiens]		643.2108	1.13898873



APPENDIX A

GF202	877634	AA488176	Hs.24650	Hs.24650	ESTs, Moderately similar to ARL-6 interacting protein-6 [M.musculus]	643.1218	1.76057173
GF204	745351	AA625667	Hs.22612	Hs.22612	ESTs, Weakly similar to NY-REN-25 antigen [H.sapiens]	643.1105	
GF200	294133	N99799	Hs.7742	Hs.161700	Homo sapiens mRNA for KIAA1133 protein, partial cds tumor rejection antigen (gp96)	643.0325	1.45441071
GF204	26519	R20669	Hs.56785	Hs.82689	1 TRA1	643.0262	
GF202	128131	R09769	Hs.20417	Hs.140576	ESTs	643.0038	-1.4631622
GF200	740476	AA478043	Hs.80645	Hs.80645	interferon regulatory factor 1	642.9299	1.01644456
GF204	1292588	AA719056	Hs.97647	Hs.97647	ESTs	642.8406	
GF202	1070015	AA599717	Hs.107823	Hs.107823	ESTs, Highly similar to HKL1 [H.sapiens]	642.7672	-1.2247251
GF204	1292070	AA707536	Hs.121732	Hs.189013	ESTs	642.7361	
GF201	51255	H18646	Hs.31586	Hs.104557	Homo sapiens cDNA FLJ10697 fis, clone NT2RP3000527, weakly similar to ZINC FINGER		
GF203	487499	AA045115	Hs.24758	Hs.24758	PROTEIN 43	642.7084	
GF204	434877	AA701249	Hs.124213	Hs.271511	ESTs	642.6954	-2.2796234
GF204	1588791	AA978354	Hs.1384	Hs.1384	O-6-methylguanine-DNA methyltransferase	642.6346	
GF200	843426	AA489498	Hs.103102	Hs.171501	ubiquitin specific protease 11	642.5175	-1.3690498
GF200	843426	AA489498	Hs.7832	Hs.171501	ubiquitin specific protease 11	642.373	-1.3690498
GF200	252185	H87496	Hs.62444	Hs.153022	TATA box binding protein (TBP)-associated factor, RNA polymerase I, C, 110kD	642.1797	-1.1602976
GF204	1609748	AA991579	Hs.97263	Hs.278231	Homo sapiens mRNA; cDNA DKFZp564P013 (from clone DKFZp564P013)	642.1343	
GF201	73188	T57196	Hs.9956	Hs.9956	Homo sapiens cDNA FLJ20259 fis, clone COLF7443	642.1128	

APPENDIX A

GF201	366763	AA029331	Hs.16412	Hs.12461	Homo sapiens clone LCHN mRNA sequence	641.9073	
GF203	280444	N51577	Hs.100960	Hs.100960	ESTs	641.8105	-1.0144397
GF200	827144	AA521243	Hs.75574	Hs.75574	KIAA0104 gene product	641.6155	1.01390266
GF202	1031448	AA609199	Hs.112661	Hs.130518	ESTs	641.5786	-1.6452573
GF201	280954	N50845	Hs.35089	Hs.35089	ESTs	641.486	
GF204	745086	AA626349	Hs.98397	Hs.98397	A kinase (PRKA) anchor protein 3	641.4286	
GF200	628418	AA192547	Hs.99897	Hs.25478	glycerol-3-phosphate dehydrogenase 1 (soluble)	641.3113	-1.097916
GF200	628418	AA192547	Hs.119601	Hs.25478	glycerol-3-phosphate dehydrogenase 1 (soluble)	641.3113	-1.097916
GF201	357681	W92603	Hs.110186	Hs.100764	cathepsin G	641.2111	
GF202	429202	AA005358	Hs.60115	Hs.183974	ESTs	641.1902	-1.4854445
GF202	782559	AA431801	Hs.98764	Hs.98764	ESTs, Weakly similar to ACTIN, CYTOPLASMIC 2	641.1502	-1.6205861
GF204	1034547	AA779788	Hs.121729	Hs.121729	[H.sapiens]	641.1304	
GF204	1602193	AA962534	Hs.127179	Hs.127179	ESTs, Weakly similar to TERATOCARCINOMA-DERIVED GROWTH FACTOR 1 [H.sapiens]	641.1047	
GF201	360436	AA013481	Hs.108597	Hs.4055	core promoter element binding protein	641.0667	
GF201	279091	N46240	Hs.102610	Hs.78605	COPEB	641.0641	
GF202	277679	N46007	Hs.46575	Hs.46575	DKFZP56611024 protein	640.865	-1.4587679
GF204	24958	R38943	Hs.13546	Hs.17110	EST		
GF203	452780	AA700172	Hs.8967	Hs.154162	Homo sapiens mRNA; cDNA DKFZp434C2016 (from clone DKFZp434C2016)	640.6619	
GF202	565849	AA135135	Hs.3826	Hs.3826	ADP-ribosylation factor-like 2	640.3691	-1.6790168
GF203	220394	H87241	Hs.125004	Hs.240934	ARL2		
GF201	415281	W95051	Hs.16324	Hs.271773	ESTs, Weakly similar to Kelch motif containing protein	640.1956	
GF200	796341	AA461332	Hs.87195	Hs.174139	[H.sapiens]	640.1903	-1.3520446
					ESTs	640.2828	-1.2993091
					ESTs	640.2743	-1.0673035
					chloride channel 3		

## APPENDIX A

GF203	825416	AA504265	Hs.83987	Hs.112378	LIM and senescent cell antigen-like domains 1	LIMS1	640.0768	-1.2707641
GF201	121136	T96924	Hs.17925	Hs.35453	Homo sapiens mRNA; cDNA DKFZp761G151 (from clone DKFZp761G151); partial cds		639.9932	
GF200	241475	H90477	Hs.41407	Hs.41407	ESTs		639.6474	1.45043923
GF202	268979	N26083	Hs.108994	Hs.267006	ESTs, Weakly similar to c-type lectin DCL1 [M.musculus]		639.6273	-1.2745597
GF200	897626	AA496780	Hs.99794	Hs.237955	RAB7, member RAS oncogene family	RAB7	639.6003	-1.0865967
GF200	897563	AA489609	Hs.84883	Hs.84883	KIAA0864 protein	KIAA0864	639.5764	1.03514953
GF200	363575	AA020000	Hs.78221	Hs.143495	ESTs		639.4581	-1.3254446
GF201	855786	AA664040	Hs.82030	Hs.82030	tryptophanyl-tRNA synthetase	WARS	639.4514	
GF202	781489	AA432144	Hs.98685	Hs.98685	ESTs		639.4264	-1.2940303
GF202	320794	W31717	Hs.111742	Hs.43946	Homo sapiens cDNA FLJ10004 fis, clone HEMBA1000076		639.3568	-1.3007013
GF200	292388	N79230	Hs.4187	Hs.199695	hypothetical protein	MAC30	639.3339	-1.0423617
GF200	292388	N79230	Hs.234	Hs.199695	hypothetical protein	MAC30	639.3339	-1.0423617
GF202	773573	AA428239	Hs.10338	Hs.10338	ESTs		639.2936	-1.0471344
GF202	343174	W67536	Hs.57876	Hs.57876	ESTs		639.1828	-2.0120035
GF202	430255	AA010383	Hs.60389	Hs.60389	EST		639.0491	-1.5726599
GF203	450233	AA703553	Hs.128968	Hs.190555	ESTs		638.6692	-1.3283618
GF201	428824	AA005290	Hs.17244	Hs.17244	ESTs		638.6446	
GF202	588368	AA149527	Hs.5070	Hs.5070	KIAA0947 protein	KIAA0947	638.5332	1.04544913
GF204	1492404	AA878558	Hs.125391	Hs.208414	Homo sapiens mRNA; cDNA DKFZp564D0472 (from clone DKFZp564D0472)		638.5137	
GF202	502744	AA137180	Hs.71601	Hs.71601	EST		638.3811	1.18161064
GF202	429263	AA007344	Hs.43949	Hs.178603	ESTs		638.3414	-1.5222756
GF202	263839	H99774	Hs.42732	Hs.42732	ESTs		638.3401	-1.2215815

## APPENDIX A

GF202	291539	N72879	Hs.10487	Hs.10487	ESTs, Weakly similar to Weak similarity with non-histone chromosomal protein HMG-1 [C.elegans] Human DNA sequence from clone RP3-402G11 on chromosome 22q13.31-13.33 Contains the MAPK12 gene for mitogen activated protein kinase 12 (SAPK3), the MAPK11 gene for mitogen activated protein kinase 11 (PRKM11), gene KIAA0315, the gene for a novel protein s Human alkali myosin light chain 3 mRNA, complete cds phosphatidylinositol-4-phosphate 5-kinase, type I, beta PIP5K1B	638.323	-2.1573937
GF201	811025	AA485381	Hs.26593	Hs.26593	Homo sapiens mRNA; cDNA DKFZp564K0222 (from clone DKFZp564K0222) transcriptional intermediary factor 1 gamma TIF1GAMMA	638.2728	
GF200	628336	AA196486	Hs.85849	Hs.158295	a disintegrin and metalloproteinase domain 9 (meltrin gamma) DKFZP586G1517 protein corticotropin releasing hormone receptor 1 CRHR1	638.1975	1.0567608
GF202	287411	N69781	Hs.49742	Hs.78406	ESTs ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]	638.1342	1.01450347
GF202	286503	N67366	Hs.14079	Hs.6375		638.1117	-1.1359758
GF204	428109	AA001635	Hs.125057	Hs.168005		638.0007	
GF201	204257	H59231	Hs.2442	Hs.2442		637.699	
GF203	249070	H80063	Hs.100383	Hs.44155		637.6951	-1.2193784
GF200	44692	H07088	Hs.79117	Hs.79117		637.6734	-1.2639306
GF203	206288	H58702	Hs.37579	Hs.165077		637.669	-1.7706028
GF204	32794	R43553	Hs.117470	Hs.113613		637.5548	

APPENDIX A

GF203	896968	AA676664	Hs.34780	Hs.34780	doublecortex; lissencephaly, X-linked (doublecortin) DCX	637.5018	1.09553785
GF201	268157	N30152	Hs.32250	Hs.32250	ESTs	637.4495	
GF204	1505469	AA905976	Hs.128784	Hs.153357	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3 PLOD3	637.4465	
GF203	685081	AA252537	Hs.96499	Hs.96499	ESTs	637.2871	1.10109988
GF202	276512	N39092	Hs.44940	Hs.44940	ESTs	637.2205	1.00739961
GF203	48363	H15050	Hs.31302	Hs.31302	EST	637.2073	-1.1582801
GF203	272034	N31946	Hs.33020	Hs.33020	Homo sapiens cDNA FLJ20434 fis, clone KAT03803	637.0663	-1.086745
GF200	297919	N70072	Hs.94229	Hs.94229	ESTs	637.0069	-1.3624949
GF200	840517	AA486324	Hs.85054	Hs.152978	proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki) PSME3	636.9308	-1.5603271
GF202	121409	T96913	Hs.91145	Hs.91145	EST	636.7311	-1.774632
GF204	377545	AA055475	Hs.28799	Hs.104143	clathrin, light polypeptide (Lca) CLTA	636.6878	
GF204	462116	AA705374	Hs.18963	Hs.18963	ESTs	636.4554	
GF204	1434923	AA857119	Hs.26938	Hs.26938	Human DNA sequence from clone 126A5 on chromosome 1p36.21-36.33. Contains three novel genes (one with DnaJ domains), the gene for KIAA0469 and the HKR3 gene for GLI-Kruppel family member HKR3. Contains ESTs, STSs, GSSs, three CpG islands, genomic marker D	636.3128	
GF201	795544	AA459654	Hs.95123	Hs.129695	Wiskott-Aldrich syndrome protein interacting protein WASPIP	636.2289	
GF202	951102	AA620463	Hs.112863	Hs.112863	EST	636.0641	-1.4175953
GF202	417920	W90381	Hs.110143	Hs.275702	ESTs	635.7626	-1.0669724
GF204	1276651	AA776778	Hs.120346	Hs.120346	ESTs	635.5977	

APPENDIX A

GF203	741842	AA402875	Hs.70830	Hs.70830	U6 snRNA-associated Sm-like protein LSm7	LOC51690	635.5656	-1.1027287
GF200	897636	AA496784	Hs.104111	Hs.227949	SEC13 (S. cerevisiae)-like 1	SEC13L1	635.5435	-1.2473301
GF200	628418	AA192547	Hs.99897	Hs.25478	glycerol-3-phosphate dehydrogenase 1 (soluble)	GPD1	635.3598	-1.0166118
GF200	628418	AA192547	Hs.119601	Hs.25478	glycerol-3-phosphate dehydrogenase 1 (soluble)	GPD1	635.3598	-1.0166118
GF202	731023	AA421266	Hs.13889	Hs.13889	WD repeat domain 5	WDR5	635.2941	1.00685653
GF201	301735	N90882	Hs.82139	Hs.2022	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)	TGM3	635.0757	
GF200	760148	AA424441	Hs.78601	Hs.78601	uroporphyrinogen decarboxylase	UROD	634.9376	-1.1526773
GF201	770890	AA434409	Hs.55574	Hs.109851	ESTs		634.9049	
GF203	379920	AA778098	Hs.105097	Hs.105097	thymidine kinase 1, soluble	TK1	634.7985	-1.2065739
GF200	250673	H95977	Hs.17752	Hs.226675	ESTs, Highly similar to phosphatidylserine-specific phospholipase A1 deltaC		634.6791	1.14280356
GF201	344837	W70282	Hs.58092	Hs.58092	[H.sapiens] ESTs		634.5377	
GF202	743224	AA400229	Hs.30503	Hs.30503	Homo sapiens cDNA FLJ11344 fis, clone PLACE1010870, moderately similar to ZINC FINGER		634.3692	-1.2793937
GF204	1055607	AA620917	Hs.65973	Hs.250747	PROTEIN 91 SUMO-1 activating enzyme subunit 1	SAE1	634.3533	
GF203	825325	AA504478	Hs.24912	Hs.164975	Bicaudal D (Drosophila) homolog 1	BICD1	634.3475	1.07527488
GF200	124116	R01340	Hs.25480	Hs.184325	CGI-76 protein	LOC51632	634.2773	1.20971722
GF204	1473682	AA916726	Hs.126757	Hs.125262	DKFZP586G1624 protein	DKFZP586G1624	634.2371	
GF202	283703	N50733	Hs.47108	Hs.47108	EST		634.0396	-1.0331992
GF203	665148	AA195651	Hs.104106	Hs.104106	ESTs		633.9366	1.03000164
GF201	321492	W32511	Hs.100348	Hs.168075	karyopherin (importin) beta 2	KPNB2	633.9348	
GF202	626199	AA188785	Hs.85629	Hs.85629	ESTs		633.9093	-1.3743852

Westbrook et al.

## APPENDIX A

GF201	882548	AA676484	Hs.74451	Hs.74451	calpain, small polypeptide	CAPN4	633.8997
GF200	233071	H75632	Hs.91468	Hs.160417	transmembrane protein 2	TMEM2	633.7969
					killer cell lectin-like receptor		-1.3228059
GF201	415086	W93370	Hs.282	Hs.258850	subfamily C, member 3	KLRC3	633.6768
					ESTs, Weakly similar to		
GF203	199505	R97503	Hs.30443	Hs.30443	KIAA0797 protein [H.sapiens]		1.4720671
GF202	767285	AA418388	Hs.75844	Hs.75844	ESTs		1.17315739
					splicing factor 3b, subunit 2,		
GF201	857661	AA633757	Hs.75916	Hs.75916	145kD	SF3B2	633.4225
GF202	783959	AA447383	Hs.58248	Hs.58248	ESTs		633.4156
					Homo sapiens (clone S164)		
GF200	783645	AA446565	Hs.89905	Hs.180789	mRNA, 3' end of cds		1.33840004
GF202	731284	AA416692	Hs.98266	Hs.191597	ESTs		-1.398258
GF202	364896	AA024494	Hs.61199	Hs.61199	ESTs		-1.3172133
GF202	301842	N91175	Hs.109653	Hs.109653	ESTs		-1.2568573
					ESTs, Highly similar to elastic		
GF204	23119	R38653	Hs.100877	Hs.100877	titin [H.sapiens]		632.9839
					mucosal vascular addressin		
GF201	859807	AA668527	Hs.102598	Hs.102598	cell adhesion molecule 1	MADCAM1	632.9821
GF201	771023	AA427978	Hs.17419	Hs.268636	ESTs		632.9572
GF202	288675	N62401	Hs.48531	Hs.48531	EST		1.1480168
					ESTs, Weakly similar to		
					transformation-related protein		
GF202	484701	AA037619	Hs.109731	Hs.109731	[H.sapiens]		632.8862
					polymerase (RNA) II (DNA		
					directed) polypeptide I		
					(14.5kD)	POLR2I	-1.3525534
GF203	378502	AA777192	Hs.47062	Hs.47062	ESTs		-1.3275664
GF202	949967	AA600207	Hs.8045	Hs.8045	EST		-1.101516
GF202	279577	N48899	Hs.46551	Hs.46551	ESTs		
GF204	743859	AA634436	Hs.115185	Hs.115185	ESTs		
GF204	41332	R58958	Hs.26608	Hs.26608	ESTs		
GF201	47626	H11325	Hs.21659	Hs.21659	ESTs		

GF203	433300	AA699719	Hs.110187	Hs.110187	ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]	632.2578	1.52254165
GF204	745540	AA626254	Hs.116140	Hs.116140	ESTs Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like)	632.2084	
GF204	1558411	AA976063	Hs.18192	Hs.18192	ESTs	632.1649	
GF203	451489	AA707325	Hs.17661	Hs.17661	ESTs sparc/osteonectin, cwcv and kazal-like domains	632.0146	-1.0322044
GF201	433666	AA699317	Hs.93029	Hs.93029	proteoglycan (testican) ESTs, Moderately similar to !!!! ALU SUBFAMILY SX WARNING ENTRY !!!! [H.sapiens]	631.9974	
GF201	320455	W04713	Hs.54805	Hs.262847	myosin, light polypeptide 5, regulatory ESTs	631.8692	
GF200	810671	AA464121	Hs.73939	Hs.170482	ESTs	631.7233	1.2829659
GF203	39147	R51836	Hs.22579	Hs.22579	EST	631.6819	-1.5288926
GF204	1031947	AA609768	Hs.116006	Hs.116006	ESTs	631.6102	
GF204	1292121	AA707615	Hs.120858	Hs.120858	pyridoxal (pyridoxine, vitamin B6) kinase budding uninhibited by benzimidazoles 1 (yeast homolog), beta ESTs	631.5764	
GF201	590640	AA158035	Hs.38041	Hs.38041	ESTs pyridoxal (pyridoxine, vitamin B6) kinase budding uninhibited by benzimidazoles 1 (yeast homolog), beta ESTs	631.3657	
GF202	842968	AA488324	Hs.36708	Hs.36708	ESTs	631.3239	-1.3047939
GF204	41308	R56880	Hs.26563	Hs.26563	ESTs	631.2775	
GF200	180902	R87777	RG.10	Hs.111515	DKFZP586I1023 protein polymerase (DNA directed), gamma 2, accessory subunit ESTs, Moderately similar to hypothetical protein [H.sapiens]	631.2682	1.13271746
GF204	1642634	A1023804	Hs.30541	Hs.30541	ESTs	631.1423	
GF204	1031717	AA609584	Hs.131768	Hs.131768	ESTs	630.9879	
GF200	840691	AA486367	Hs.21486	Hs.21486	signal transducer and activator of transcription 1.91KD STAT1	630.7617	1.15443807



## APPENDIX A

GF202	283665	N52930	Hs.47579	Hs.161465	ESTs	630.5898	-2.075189
GF200	207107	H48677	Hs.117774	Hs.128783	ESTs	630.5804	-1.559573
GF204	1034738	AA780190	Hs.50328	Hs.50328	ESTs	630.5788	
GF201	758293	AA404239	Hs.83349	Hs.14838	Homo sapiens mRNA; cDNA DKFZp434L2015 (from clone DKFZp434L2015); partial cds	630.4815	
GF200	727192	AA293819	Hs.89713	Hs.172674	nuclear factor of activated T- cells, cytoplasmic 3	630.4532	-1.3100501
GF200	295594	W02403	Hs.18139	Hs.226414	ESTs	630.3961	1.5409453
GF201	382564	AA069372	Hs.96028	Hs.96028	forkhead box D1	630.3751	
GF204	145136	R77434	Hs.29643	Hs.29643	ESTs	630.3704	
GF202	951108	AA620466	Hs.67928	Hs.67928	ESTs	630.3275	-1.4673653
GF202	795265	AA454018	Hs.99251	Hs.99251	ESTs	630.1774	-1.6752055
GF202	1055137	AA621367	Hs.119683	Hs.119683	ESTs	630.1514	-1.2186598
GF200	841617	AA487681	Hs.71303	Hs.125078	Human mRNA for ornithine decarboxylase antizyme, ORF 1 and ORF 2	630.1316	-1.7035157
GF200	213509	H72247	Hs.39294	Hs.39294	EST	630.1097	-1.5692748
GF203	1486260	AA922326	Hs.51299	Hs.51299	NADH dehydrogenase (ubiquinone) flavoprotein 2 (24kD)	630.0582	-1.2487768
GF201	809951	AA454823	Hs.26425	Hs.26425	ESTs	629.9897	
GF204	360547	AA015978	Hs.104523	Hs.171937	ESTs	629.9618	
GF204	155702	R72068	Hs.28813	Hs.28813	ESTs, Weakly similar to ORF2 [M.musculus]	629.9563	
GF200	195487	R92163	Hs.47123	Hs.175979	ESTs	629.837	1.21444866
GF201	51344	H21040	Hs.6434	Hs.6434	Homo sapiens clone 25027 mRNA sequence	629.8013	
GF204	1631863	A1004331	Hs.73933	Hs.73933	Human MHC class II HLA-DQ- beta mRNA (DR7 DQw2), complete cds	629.7717	
GF204	361082	AA017215	Hs.60764	Hs.60764	ESTs	629.7216	
GF204	32776	R43522	Hs.11325	Hs.11325	ESTs	629.6826	
GF203	666451	AA232939	Hs.42621	Hs.6763	KIAA0942 protein	629.658	-1.8144663
GF203	209118	H63518	Hs.19977	Hs.19977	ESTs	629.6558	-1.2304623
GF204	1292505	AA719240	Hs.120370	Hs.120370	ESTs	629.5665	

APPENDIX A

GF200	51041	H18633	Hs.10623	Hs.123641	protein tyrosine phosphatase, receptor type, beta polypeptide PTPRB	629.151	-1.2251286
GF201	291459	N72852	Hs.43951	Hs.271896	ESTs, Moderately similar to unnamed HERV-H protein [H.sapiens]	629.1085	
GF201	121454	T97276	Hs.1200	Hs.1200	arachidonate 12-lipoxygenase ALOX12	628.9244	
GF202	366132	AA062805	Hs.3577	Hs.3577	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kD	628.8698	-2.0666194
GF204	897511	AA496937	Hs.82169	Hs.82169	SDHC	628.7714	
GF202	840444	AA485714	Hs.105669	Hs.180040	ESTs	628.7663	-1.2414991
GF202	682045	AA256386	Hs.13649	Hs.13649	Novel human gene mapping to chromosome 13, similar to rat RhoGAP	628.7125	-1.4265494
GF200	210862	H65659	Hs.76493	Hs.167835	acyl-Coenzyme A oxidase ACOX1	628.687	2.06577291
GF203	814584	AA480894	Hs.11282	Hs.11282	ESTs, Weakly similar to cleft lip and palate transmembrane protein 1 [H.sapiens]	628.6409	1.09333488
GF200	80946	T70122	Hs.12013	Hs.12013	ATP-binding cassette, sub-family E (OABP), member 1	628.563	1.22395546
GF202	1031845	AA609698	Hs.112389	Hs.112389	ESTs	628.3882	-1.6361408
GF201	809828	AA455521	Hs.2331	Hs.2331	E2F transcription factor 5, p130-binding	628.3365	
GF200	142076	R69333	Hs.10490	Hs.10490	ESTs	628.2781	-1.0874069
GF202	1031737	AA609605	Hs.112731	Hs.112731	EST	628.0613	1.05074758
GF204	28474	R40945	Hs.21345	Hs.21345	EST	627.8672	
GF200	52933	H29407	Hs.79136	Hs.79136	LIV-1 protein, estrogen regulated	627.6849	1.20882438
GF204	1533611	AA917483	Hs.16341	Hs.16341	ESTs, Moderately similar to !!!!		
GF202	731140	AA417285	Hs.104792	Hs.104792	ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
					[H.sapiens]	627.6381	
					ESTs	627.543	-2.1922713

Westbrook et al.

APPENDIX A

GF201	287637	N59136	Hs.82661	Hs.11050	F-box protein Fbx9	NY-REN-57	627.5363
GF201	809527	AA454582	Hs.94891	Hs.94891	ESTs		627.5235
GF202	664968	AA194819	Hs.23763	Hs.23763	Max-interacting protein	KIAA0518	627.3959
					ESTs, Weakly similar to SODIUM- AND CHLORIDE-DEPENDENT GLYCINE TRANSPORTER 1 [H.sapiens]		
GF201	273075	N36421	Hs.42938	Hs.107854	transcriptional adaptor 3 (ADA3, yeast homolog)-like (PCAF histone acetylase complex)		627.3065
GF202	842838	AA486276	Hs.63667	Hs.63667		TADA3L	627.2966
					eukaryotic translation initiation factor 3, subunit 8 (110kD)		-1.0320302
GF200	897982	AA598863	Hs.4835	Hs.4835	pyruvate kinase, muscle	EIF3S8	627.1442
GF201	144862	R78570	Hs.8193	Hs.198281	ESTs	PKM2	627.1298
GF202	291947	N73083	Hs.108993	Hs.267557	KIAA0127 gene product	KIAA0127	627.1091
GF200	823715	AA489839	Hs.77293	Hs.77293	FEM-1-like death receptor binding protein		627.0336
GF201	248957	H82273	Hs.6048	Hs.6048	Down syndrome critical region gene 4	KIAA0396	626.9343
GF200	130358	R21770	Hs.23251	Hs.23251	ESTs	DSCR4	626.8946
GF204	1475726	AA872688	Hs.6137	Hs.6137	Homo sapiens cDNA FLJ10648 fis, clone NT2RP2005804		626.8411
GF201	429346	AA007402	Hs.15496	Hs.15496	ESTs		626.6869
GF203	208082	H62563	Hs.38078	Hs.167593	caveolin 1, caveolae protein, 22kD		626.6623
GF200	841664	AA487560	Hs.74034	Hs.74034	EST	CAV1	-1.0935623
GF204	454498	AA677351	Hs.117051	Hs.117051	ESTs		626.5665
GF202	757262	AA426058	Hs.98452	Hs.98452	natural killer cell group 7 sequence		626.5383
GF200	71606	T57859	Hs.10306	Hs.10306	glutathione peroxidase 3 (plasma)	NKG7	-1.3865626
GF204	1636248	A1017231	Hs.7405	Hs.172153	EST	GPX3	626.3908
GF204	1468895	AA884085	Hs.125542	Hs.125542			626.337

APPENDIX A

GF201	69184	T54144	Hs.109901	Hs.209061	sudD (suppressor of bimD6, Aspergillus nidulans) homolog	SUDD	626.1863	
GF203	454577	AA677037	Hs.117025	Hs.33756	ESTs		625.9922	-1.7794693
GF202	897727	AA598994	Hs.16275	Hs.77326	insulin-like growth factor binding protein 3	IGFBP3	625.9792	-2.2512465
GF202	796281	AA460847	Hs.23038	Hs.23038	ESTs, Weakly similar to unknown [D.melanogaster]		625.7895	1.16442732
GF200	79229	T63072	Hs.3094	Hs.3094	KIAA0063 gene product	KIAA0063	625.7822	-1.3961227
GF203	754033	AA479063	Hs.102947	Hs.102947	ESTs		625.683	-1.2012491
GF201	178860	H49519	Hs.31797	Hs.31797	ESTs		625.5565	
GF201	291097	N72137	Hs.24048	Hs.24048	FK506 binding protein precursor	LOC51303	625.4855	
GF200	740130	AA479052	Hs.90331	Hs.171880	polymerase (RNA) II (DNA directed) polypeptide A (220kD)	POLR2A	625.0268	-1.2457972
GF200	66898	T69475	Hs.48329	Hs.109445	KIAA1020 protein	KIAA1020	624.9222	1.58040529
GF200	210887	H65676	Hs.119222	Hs.119222	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70-interacting protein)	ST13	624.8021	-1.1348347
GF200	210887	H65676	Hs.75971	Hs.119222	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70-interacting protein)	ST13	624.8021	-1.1348347
GF203	379708	AA778077	Hs.25601	Hs.25601	chromodomain helicase DNA binding protein 3	CHD3	624.7395	-1.7612368
GF204	454317	AA677165	Hs.117039	Hs.228711	EST, Weakly similar to Zn-alpha2-glycoprotein [H.sapiens]		624.6545	
GF201	327635	W23690	Hs.81736	Hs.76240	adenylate kinase 1	AK1	624.4603	
GF204	1606829	AA996024	Hs.91400	Hs.91400	histone deacetylase A	KIAA0288	624.3522	
GF204	361069	AA017213	Hs.103334	Hs.103334	ESTs		624.3331	
GF200	211800	H71092	Hs.91532	Hs.91532	ESTs, Moderately similar to KIAA0909 protein [H.sapiens]		624.3322	-1.9395444

T02020" 3646360

## APPENDIX A

Human DNA sequence from clone 431H6 on chromosome 16. Contains a novel gene with some homology to mouse HN1 (Hematological and Neurological expressed sequence 1) downstream of a putative CpG island. Contains ESTs and GSSs			624.3098	
GF201	489208	AA045658	Hs.172035	-1.4740061
GF202	609087	AA176688	Hs.269284	
GF204	435808	AA700126	Hs.58992	
GF200	202209	H52534	Hs.16072	-1.0781031
GF203	669379	AA236798	Hs.18987	-1.1979341
GF203	29594	R42227	Hs.21955	1.63394231
GF203	79431	T59940	Hs.6093	1.14815077
ESTs, Weakly similar to unknown [H.sapiens]			623.7391	-1.5728416
GF203	824329	AA489670	Hs.105189	-1.47016
GF202	198690	R95128	Hs.117752	
GF201	33408	R44082	Hs.22510	623.4781
ESTs, Highly similar to CGI- 121 protein [H.sapiens]			623.2935	
GF204	429784	AA009629	Hs.114742	-1.0266484
GF202	290083	N59381	Hs.48374	
Homo sapiens clone 23918 mRNA sequence			623.0425	
GF201	52974	H29625	Hs.12411	-1.6723504
GF202	265478	N21299	Hs.42975	-1.2848552
GF200	120516	T95396	Hs.106459	-1.0785067
GF202	287866	N62332	Hs.102728	1.14359836
GF202	197102	R93409	Hs.120759	
ESTs, Highly similar to CGI- 149 protein [H.sapiens]			622.7275	-2.1881152
GF202	666362	AA232208	Hs.31260	
gamma tubulin ring complex protein (76p gene)			622.5407	
GF201	810082	AA464952	Hs.105064	-1.5139902
GF202	782593	AA447540	Hs.99112	622.5255
GF201	365336	AA025006	Hs.61241	622.4507
EST			76P	
ESTs				

APPENDIX A

GF203	195557	R91823	Hs.130828	Hs.260238	Homo sapiens cDNA FLJ10842 fis, clone NT2RP4001343	622.0448	1.02191077
GF200	123788	R01425	Hs.15548	Hs.15548	ESTs	622.0201	-1.1721612
GF200	504226	AA132090	Hs.82212	Hs.82212	CD53 antigen	621.9152	1.15994341
					protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform		
GF201	49303	H15677	Hs.101416	Hs.7688	PPP2R2B	621.9104	
GF201	490232	AA121313	Hs.61847	Hs.61847	ESTs	621.8599	
GF201	203732	H56349	Hs.2659	Hs.2659	fibrinogen-like 2	621.8144	
GF204	1466904	AA884326	Hs.125568	Hs.125568	ESTs	621.7659	
GF200	809944	AA454812	Hs.5716	Hs.5716	KIAA0310 gene product	621.2057	1.27506309
GF203	199175	H83283	Hs.37907	Hs.7527	DKFZP566E144 protein	620.9014	-1.5638956
					Homo sapiens cDNA FLJ10511 fis, clone NT2RP2000656		
GF203	132476	R26684	Hs.123112	Hs.106768	stimulated trans-acting factor (50 kDa)	620.6901	-1.0938012
GF200	549146	AA083407	Hs.68054	Hs.68054	ESTs	620.6851	-1.0329597
GF201	502568	AA136022	Hs.62713	Hs.62713	ESTs	620.663	
					Homo sapiens cDNA FLJ20797 fis, clone COL00256, highly similar to AF151824 Homo sapiens CGI- 66 protein mRNA		
GF201	809422	AA459901	Hs.91879	Hs.6406	collagen, type IV, alpha 5 (Alport syndrome)	620.562	
GF203	470001	AA029997	Hs.82578	Hs.169825	COL4A5	620.5616	-1.3388281
GF201	269354	N26125	Hs.109002	Hs.17778	NRP2	620.5513	
GF204	200868	R98962	Hs.117802	Hs.117802	neuropilin 2 ESTs	620.4333	
GF203	268240	N27437	Hs.53057	Hs.54943	fracture callus 1 (rat) homolog FXC1	620.4045	-1.5381631
GF204	49162	H16589	Hs.117648	Hs.250911	interleukin 13 receptor, alpha 1 IL13RA1	620.2396	
GF203	452362	AA700871	Hs.113114	Hs.113114	EST	620.1953	-1.192234
GF202	838611	AA456975	Hs.112135	Hs.75736	apolipoprotein D APOD	620.1505	-1.08211
GF201	744980	AA625915	Hs.92236	Hs.92236	KIAA0304 gene product KIAA0304	620.0999	

APPENDIX A

GF203	247241	N54053	Hs.12230	Hs.12230	secreted phosphoprotein 2, 24kD	SPP2	620.0231	-1.4281366
GF201	365517	AA009593	Hs.103296	Hs.103296	ESTs		619.9754	
GF202	838478	AA57517	Hs.90063	Hs.90063	Homo sapiens clone 24665 mRNA sequence		619.8804	1.12983374
GF202	1031489	AA609232	Hs.112668	Hs.112668	ESTs		619.8427	-1.4219193
GF203	42387	R59990	Hs.22550	Hs.22550	ESTs		619.8039	-1.1780413
GF201	76308	T60082	Hs.9571	Hs.180933	CpG binding protein	CGBP	619.6775	
					Homo sapiens mRNA; cDNA			
GF203	412911	AA707714	Hs.19481	Hs.137556	DKFZp434A132 (from clone)		619.6763	-1.1195055
GF202	288821	N62532	Hs.48560	Hs.48560	DKFZp434A132)		619.6725	-2.5023621
					EST			
					potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4	KCNN4	619.6437	
GF204	452909	AA778857	Hs.122069	Hs.10082	Homo sapiens cDNA			
					FLJ11071 fis, clone			
GF204	1471821	AA873339	Hs.31945	Hs.31945	PLACE1004937, moderately similar to SEL-10 PROTEIN		619.6417	
GF201	810119	AA464983	Hs.48029	Hs.48029	snail 1 (drosophila homolog), zinc finger protein	SNAIL1	619.6355	
GF201	79240	T58129	Hs.10344	Hs.109437	hormonally upregulated neu tumor-associated kinase	HUNK	619.6298	
					regulatory factor X, 5 (influences HLA class II expression)	RFX5	619.5923	-2.1229097
GF200	767753	AA418216	Hs.77997	Hs.166891	ESTs		619.4878	1.04444483
GF203	450877	AA682671	Hs.118422	Hs.118422				
GF200	202904	H54020	Hs.556	Hs.184167	splicing factor, arginine/serine-rich 7 (35kD)	SFRS7	619.2233	1.11547698
					Homo sapiens mRNA for leptin receptor gene-related protein		619.1176	1.36467613
GF200	194182	H51066	Hs.54515	Hs.23581	Homo sapiens mRNA for leptin receptor gene-related protein			
GF200	194182	H51066	Hs.23581	Hs.23581			619.1176	1.36467613

APPENDIX A

GF204	1466621	AA883675	Hs.47368	Hs.47368	ESTs	618.9603
GF201	307304	N93455	Hs.54951	Hs.184523	KIAA0965 protein	618.948
GF201	343387	W67292	Hs.43791	Hs.43791	ESTs	618.9418
GF200	123196	R00403	Hs.18759	Hs.268654	ESTs	618.8782
					ESTs, Highly similar to zona-pellucida-binding protein [H.sapiens]	-1.2790989
GF201	742792	AA400474	Hs.99875	Hs.168261	KIAA0368 protein	618.8475
GF203	1473773	AA916908	Hs.3852	Hs.3852	KIAA0368	618.8425
GF200	549728	AA102454	Hs.76288	Hs.76288	calpain, large polypeptide L2	618.8411
					Homo sapiens mRNA for KIAA1138 protein, partial cds	618.826
GF202	1030613	AA608832	Hs.112600	Hs.115726	growth hormone receptor	618.8121
GF203	378565	AA775738	Hs.125180	Hs.125180	GHR	-1.3778138
GF204	487824	AA045079	Hs.59563	Hs.59563	Homo sapiens mRNA for FLJ00007 protein, partial cds	618.735
					retinoid x receptor interacting protein	LOC51720
GF203	824701	AA482294	Hs.7889	Hs.7889	chitinase 1 (chitotriosidase)	618.6231
GF200	119384	T94272	Hs.91093	Hs.91093	ESTs	618.507
GF200	124020	R02666	Hs.14706	Hs.14706	ESTs	618.474
GF201	272632	N32274	Hs.108312	Hs.23450	ESTs	618.4292
					guanine nucleotide binding protein (G protein), alpha	-1.5202805
GF201	530139	AA071330	Hs.77269	Hs.77269	inhibiting activity polypeptide 2	-1.1786731
GF203	148838	H13439	Hs.7076	Hs.7076	GNAI2	1.01198512
					ESTs	-1.1915933
GF200	120309	T97215	Hs.15014	Hs.9800	Homo sapiens clone 23685	1.11118672
GF204	1292860	AA776724	Hs.97883	Hs.97883	mRNA sequence	617.9446
GF202	841207	AA486731	Hs.57664	Hs.57664	ESTs	617.9228
GF203	434990	AA700706	Hs.14238	Hs.14238	ESTs	617.8218
GF202	795777	AA460333	Hs.49608	Hs.147710	ESTs	617.8149
					ESTs, Highly similar to CGI-62 protein [H.sapiens]	-1.2730984
GF203	258451	N25899	Hs.34726	Hs.118821		617.512
						-1.4766593



## APPENDIX A

					dihydroliipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex) ESTs				
GF200	813648	AA453679	Hs.74635	Hs.74635		DLD	617.2631	-1.345463	
GF202	505339	AA156234	Hs.71825	Hs.71825			617.1157	-1.393273	
GF201	281476	N51521	Hs.111661	Hs.207776	aspartylglucosaminidase	AGA	616.9873		
GF200	293576	N69283	Hs.7786	Hs.193989	TAR DNA binding protein	TARDBP	616.962	-1.0856374	
					ESTs, Weakly similar to cytochrome c-like polypeptide [H.sapiens]				
GF201	135752	R33082	Hs.24597	Hs.24597	ESTs, Weakly similar to Ydr386wp [S.cerevisiae]		616.7704		
GF204	703386	AA258031	Hs.125104	Hs.125104	Homo sapiens mRNA for KIAA1303 protein, partial cds		616.7703		
GF202	742698	AA401378	Hs.20677	Hs.20677	coatomer protein complex, subunit alpha		616.7535	-1.6432627	
GF200	109153	T81091	Hs.90942	Hs.75887	excision repair cross-complementing rodent repair deficiency, complementation group 5 (xeroderma pigmentosum, complementation group G (Cockayne syndrome))	COPA	616.7245	-1.0935941	
					ESTs				
GF200	292463	N62586	Hs.48576	Hs.48576	EST		616.5974	1.00866513	
GF200	130043	R19310	Hs.20849	Hs.20849	DKFZP58611023 protein	ERCC5	616.5709	-1.4125028	
GF202	277327	N57483	Hs.48012	Hs.48012	phosphatidylinositol glycan, class B	DKFZP58611023	616.5684	-1.7079022	
GF203	363081	AA019335	Hs.118455	Hs.111515	ESTs		616.5381	-1.3702553	
					ESTs				
GF200	281465	N51166	Hs.82506	Hs.247118	ESTs, Weakly similar to HKL1 [H.sapiens]	PIGB	616.4501	1.23369322	
GF202	307174	N91797	Hs.94450	Hs.131818			616.4424	-1.1739523	
GF204	868441	AA634250	Hs.60887	Hs.60887			616.4401		
GF204	436420	AA699620	Hs.114864	Hs.182171			616.4051		
GF203	135352	R32959	Hs.24572	Hs.24572			616.3919	1.0210839	

APPENDIX A

GF204	462963	AA682439	Hs.118380	Hs.118380	ESTs	616.1212	
GF202	742777	AA400194	Hs.97787	Hs.238092	EST	616.1166	-2.4969673
GF203	345069	W76339	Hs.22900	Hs.22900	nuclear factor (erythroid-derived 2)-like 3	615.9896	-1.8019037
GF204	1292593	AA719257	Hs.120372	Hs.77735	fibrogenic lymphokine	615.9431	
GF201	428840	AA004693	Hs.18049	Hs.269192	ESTs	615.8336	
GF201	122183	T98628	Hs.18424	Hs.191290	ESTs	615.7547	
GF203	856420	AA630771	Hs.84760	Hs.173737	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	615.7024	-1.200694
GF201	795219	AA453603	Hs.98574	Hs.178140	ESTs	615.576	
GF204	139649	R64346	Hs.28510	Hs.29189	KIAA1021 protein	615.5377	
GF201	344588	W73140	Hs.50915	Hs.50915	kalikrein 5	615.4739	
GF204	22289	T87622	Hs.20985	Hs.20985	sin3-associated polypeptide, 30kD	615.4618	
GF201	156048	R72434	Hs.106757	Hs.109590	genethonin 1	615.2349	
GF200	126453	R06709	Hs.19772	Hs.19772	ESTs, Weakly similar to translational release factor 1 [H.sapiens]	614.8311	-2.0325135
GF202	773204	AA425692	Hs.98442	Hs.262476	S-adenosylmethionine decarboxylase 1	614.7557	-1.0319786
GF204	1555863	AA975103	Hs.3334	Hs.3334	ESTs	614.6376	
GF200	843134	AA486514	Hs.80423	Hs.80423	prostatic binding protein	614.6246	1.38655935
GF203	27605	R40018	Hs.56400	Hs.56400	ESTs	614.5318	-1.6452484
GF201	795179	AA453472	Hs.95111	Hs.95111	ESTs	614.4601	
GF202	726571	AA398129	Hs.8203	Hs.8203	Homo sapiens cDNA FLJ20749 fis, clone HEP05301	614.4208	1.04435849
GF203	767486	AA418015	Hs.118712	Hs.172700	neutralized (Drosophila)-like lectin, mannose-binding, 1	614.3005	-1.3532572
GF200	232612	H73420	Hs.89574	Hs.5822	H.sapiens seb4D mRNA	614.298	-1.0681841
GF200	814526	AA459588	Hs.78193	Hs.236361	H.sapiens seb4D mRNA	614.17	-2.4494977
GF200	814526	AA459588	Hs.104642	Hs.236361	H.sapiens seb4D mRNA	614.17	-2.4494977

FOIA b 7 - DEXTER

## APPENDIX A

GF203	199644	R96520	Hs.26641	Hs.197642	Homo sapiens cDNA FLJ10299 fis, clone NT2RM2000013, moderately similar to DNA-DIRECTED RNA POLYMERASE III 128 KD POLYPEPTIDE (EC 2.7.7.6) Homo sapiens mRNA; cDNA DKFZp586E1624 (from clone DKFZp586E1624) ESTs RAD23 (S. cerevisiae) homolog B ESTs gamma-glutamyl hydrolase (conjugase, folylpolysaccharidyl hydrolase) nuclear receptor subfamily 1, group H, member 2 methyl-CpG binding domain protein 1 EST ESTs hypothetical protein lysyl-tRNA synthetase ESTs ESTs Rap1 guanine-nucleotide- exchange factor directly activated by cAMP ESTs surfactant, pulmonary- associated protein A1 KIAA0958 protein	614.113	-1.295561
GF202	284497	N52362	Hs.94030	Hs.94030		614.0504	-1.4727274
GF202	214624	H71242	Hs.117864	Hs.117864		613.9498	-1.4343965
GF201	245452	N55067	Hs.13912	Hs.178658	RAD23B	613.9409	
GF201	290082	N59377	Hs.42380	Hs.42380		613.8597	
GF200	809588	AA455800	Hs.78619	Hs.78619	GGH	613.8244	1.27066356
GF201	744052	AA629265	Hs.100221	Hs.100221	NR1H2	613.8087	
GF201	795647	AA459922	Hs.6211	Hs.6211	MBD1	613.5767	
GF204	1468082	AA889411	Hs.125957	Hs.125957		613.4639	
GF203	811101	AA485676	Hs.125177	Hs.28242		613.3373	-1.4349616
GF204	1467641	AA883950	Hs.97268	Hs.97268	FLJ11235	613.2501	
GF200	842818	AA486374	Hs.3100	Hs.3100	KARS	613.0452	1.1902161
GF204	344191	W69799	Hs.114661	Hs.12396		612.9713	
GF203	29585	R42112	Hs.26034	Hs.26034		612.9537	1.3483399
GF201	795382	AA453498	Hs.8578	Hs.8578	EPAC	612.9525	
GF202	624347	AA181233	Hs.85445	Hs.85445		612.9475	-1.1357664
GF200	841507	AA487385	Hs.76474	Hs.177582	SFTPA1	612.7881	-1.8171428
GF203	726481	AA399268	Hs.97715	Hs.22982	KIAA0958	612.6107	-2.039798

APPENDIX A

GF203	743860	AA634427	Hs.8179	Hs.8179	Homo sapiens mRNA for hypothetical protein, clone 2746033	612.4751	1.24675355
GF204	1492967	AA886333	Hs.31539	Hs.31539	ESTs	612.2658	
GF204	1055827	AA628188	Hs.116208	Hs.116208	EST	612.1624	
GF201	346360	W74254	Hs.83496	Hs.83496	linker for activation of T cells	611.808	
GF204	41329	R56813	Hs.26580	Hs.26580	ESTs	611.7582	
					thyroid hormone receptor		
GF200	824906	AA489104	Hs.2210	Hs.2210	interactor 3	611.7569	1.50410745
GF204	462536	AA699808	Hs.117339	Hs.117339	DNAX-activation protein 10	611.7038	
					immunoglobulin superfamily		
GF200	236333	H62387	Hs.102171	Hs.102171	containing leucine-rich repeat	611.6824	-1.2988937
GF203	703798	AA278313	Hs.59115	Hs.59115	ESTs	611.6131	-1.0962013
GF200	814381	AA459051	Hs.75189	Hs.75189	death-associated protein	611.5961	1.05667355
GF202	358599	W96216	Hs.110196	Hs.110196	NICE-1 protein	611.5571	-1.0278084
GF202	1031280	AA609057	Hs.112638	Hs.143752	ESTs	611.4829	-1.9575659
GF201	771314	AA476212	Hs.14155	Hs.14155	KIAA0653 protein	611.4533	
					MAD (mothers against		
					decapentaplegic, Drosophila)		
GF203	187614	R83757	Hs.79067	Hs.79067	homolog 1	611.4079	-1.3341787
					Human mRNA for SB classII		
					histocompatibility antigen		
GF201	868332	AA634028	Hs.914	Hs.914	alpha-chain	611.2745	
					Human DNA sequence from		
					clone RP11-395L14 on		
					chromosome 22q13.32-13.33.		
					Contains (part of) up to six		
					novel genes or pseudogenes,		
					the gene for a novel forkhead		
					protein similar to FOXD4		
					(forkhead box D4, FREAC5),		
					the gene for a novel		
GF201	840442	AA485713	Hs.7535	Hs.7535	phosphoglucosyltransferase like	611.0834	
GF202	842896	AA486418	Hs.16520	Hs.16520	dynein, heavy chain beta-like	610.9058	-1.6999504
					DNHBL		

APPENDIX A

GF202	731227	AA420965	Hs.26871	Hs.237536	ESTs, Weakly similar to F25B5.3 [C.elegans]	610.8697	-1.9254371
GF203	364100	AA021134	Hs.61081	Hs.209424	ESTs	610.709	-1.8652795
GF204	460459	AA677682	Hs.117078	Hs.117078	EST, Weakly similar to granule cell marker protein [M.musculus]	610.5658	
GF202	731457	AA412283	Hs.97111	Hs.97111	ESTs	610.4163	-1.5702153
GF201	428928	AA004858	Hs.103282	Hs.77306	survival of motor neuron 1, telomeric	610.3903	
GF203	768569	AA425105	Hs.33781	Hs.241334	ESTs	610.3341	
GF201	110872	T90438	Hs.111905	Hs.6353	MORF-related gene 15	610.2919	-1.0516713
					Homo sapiens mRNA; cDNA		
GF204	868112	AA634199	Hs.22934	Hs.22934	DKFZp434C0917 (from clone	610.2316	
GF200	66341	T66849	Hs.12957	Hs.194040	DKFZp434C0917); partial cds	610.0162	-2.2809861
GF201	279999	N57577	Hs.102704	Hs.17969	ESTs	610.0066	
GF204	1493243	AA868676	Hs.69169	Hs.69169	KIAA0663 gene product	609.9934	
					ESTs		
GF202	757147	AA496106	Hs.3845	Hs.181195	MRJ gene for a member of the	609.8564	1.27825563
GF204	824788	AA489067	Hs.106031	Hs.142653	DNAJ protein family	609.8066	
GF201	855521	AA664179	Hs.65114	Hs.65114	ret finger protein	609.6948	
GF203	433663	AA699327	Hs.14221	Hs.14221	keratin 18	609.692	-2.3926614
GF204	1466402	AA885466	Hs.125651	Hs.157002	ESTs	609.6291	
GF201	82171	T68844	Hs.11901	Hs.214783	EST	609.6094	
					ESTs		
					ESTs, Weakly similar to hypothetical protein		
GF203	767801	AA418724	Hs.35254	Hs.35254	[H.sapiens]	609.5111	1.02994631
GF203	31237	R42836	Hs.23198	Hs.23198	ESTs	609.5082	-1.641118
GF204	1613955	A1000311	Hs.10117	Hs.10117	ESTs, Highly similar to CGI-15 protein [H.sapiens]	609.4106	
					eukaryotic translation		
GF202	784028	AA443702	Hs.29835	Hs.181165	elongation factor 1 alpha 1	609.3926	-1.4751136
GF202	279806	N49109	Hs.46895	Hs.46895	ESTs	609.2925	1.34294152
GF200	154093	R53406	Hs.89421	Hs.89421	CBF1 interacting corepressor	609.2607	-1.5515364
					coxsackie virus and		
GF200	265680	N31467	Hs.79187	Hs.79187	adenovirus receptor	608.8238	-1.1408223
					CXADR		

APPENDIX A

GF203	812256	AA455058	Hs.48965	ESTs	608.6492	-2.001952
GF201	770394	AA430668	Hs.110804	Fc fragment of IgG, receptor, transporter, alpha	608.3928	
GF203	206172	H61082	Hs.14743	ESTs	608.3693	-2.6799257
GF202	810964	AA459403	Hs.99483	PTPRF interacting protein, binding protein 1 (liprin beta 1)	608.2515	-2.9057043
GF202	742589	AA401472	Hs.97755	ESTs	608.1694	-1.2235552
GF201	70749	T47312	Hs.76014	insulin receptor	608.0525	
GF202	283452	N52802	Hs.47544	EST	607.8685	1.8034497
GF203	416328	W86835	Hs.50517	copine III	607.8235	-1.7159214
GF200	194906	R90957	Hs.34182	ESTs	607.8126	1.83248708
GF204	277759	N49604	Hs.32356	Homo sapiens cDNA	607.7405	
GF202	42331	R61821	Hs.91916	FLJ20628 fis, clone KAT03903	607.6895	1.25893931
GF203	826285	AA521003	Hs.7721	Homo sapiens clone 23892	607.658	-1.2945425
GF201	288663	N62394	Hs.2679	mRNA sequence		
GF200	275176	R84891	Hs.46932	moesin		
GF201	548957	AA115919	Hs.9348	gap junction protein, beta 1, 32kD (connexin 32, Charcot-Marie-Tooth neuropathy, X-linked)	607.4954	
GF200				ESTs	607.4549	-1.1847555
GF200				general transcription factor II, i, pseudogene 1	607.4049	1.19152747
GF200	308231	N95358	Hs.43754	Homo sapiens cDNA		
GF204	866674	AA679164	Hs.124095	FLJ20153 fis, clone	607.3721	1.01815975
GF201	41824	R54195	Hs.26103	COL08656, highly similar to	607.2875	
GF203	213564	H72268	Hs.114221	AJ001381 Homo sapiens incomplete cDNA for a mutated allele	607.1109	
				ESTs	606.9666	-2.6771218

102020" 85226860

## APPENDIX A

GF204	1055775	AA628246	Hs.116227	Hs.41381	ESTs, Weakly similar to ubiquitin hydrolyzing enzyme 1 [H.sapiens]	606.8467	
GF200	741379	AA402766	Hs.4961	Hs.107979	small membrane protein 1 SMP1	606.6577	1.09379953
					cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase) CDKN3	606.5652	1.29427083
GF200	700792	AA284072	Hs.84113	Hs.84113	EST	606.5003	
GF204	853491	AA663551	Hs.116914	Hs.116914	PCTAIRE protein kinase 1 PCTK1	606.4829	-1.6687937
GF200	713382	AA283125	Hs.75679	Hs.171834	ESTs	606.4014	
GF201	428946	AA004447	Hs.108153	Hs.269194	H.sapiens gene from PAC		
GF201	347725	W81520	Hs.56175	Hs.56175	106H8, similar to Dynamin	606.3198	
					Homo sapiens mRNA for G3a protein (G3a gene, located in the class III region of the major histocompatibility complex)	606.2507	-1.34126
GF203	298702	N74679	Hs.84509	Hs.247129	ESTs	606.2479	-1.4976156
GF202	295142	N71648	Hs.118192	Hs.269158	ESTs	606.071	1.97169934
GF203	380823	AA058586	Hs.129907	Hs.129907	ESTs		
GF204	40159	R53544	Hs.4285	Hs.4285	Homo sapiens clone 25196 mRNA sequence	606.0635	
GF201	344997	W72895	Hs.83393	Hs.83393	cystatin E/M	605.923	
					phosphatidylinositol glycan, class F		
GF200	230360	H80865	Hs.81647	Hs.166982	PIGF	605.8997	-1.0405896
GF203	435678	AA699943	Hs.17892	Hs.17892	ESTs	605.8962	-1.7739754
GF202	796319	AA461314	Hs.99583	Hs.99583	EST	605.8935	-1.786125
GF203	280557	N47333	Hs.114410	Hs.93828	ESTs	605.7289	1.15270555
GF200	823590	AA497051	Hs.10937	Hs.107573	sialyltransferase	605.6776	-1.5731741
GF200	823590	AA497051	Hs.118009	Hs.107573	sialyltransferase	605.6776	-1.5731741
					calsequestrin 2, cardiac muscle		
GF201	377166	AA055163	Hs.57975	Hs.57975	CASQ2	605.5448	
GF203	43706	H05731	Hs.28102	Hs.28102	ESTs	605.5368	1.06344369
					ESTs, Highly similar to ARF GTPase-activating protein		
GF204	455185	AA676908	Hs.120822	Hs.80279	GIT2 [H.sapiens]	605.433	
GF203	753653	AA479962	Hs.105645	Hs.139636	EST	605.4172	-2.0917119

Westbrook et al.

APPENDIX A

GF204	757245	AA426051	Hs.44981	Hs.18368	DKFZP564B0769 protein H.sapiens DNA for cyp related pseudogene	DKFZP564B0769	605.3592	
GF203	1325751	AA873089	Hs.104117	Hs.166079	cytochrome c oxidase subunit Vlc		605.3564	1.33048418
GF201	366238	AA025630	Hs.57915	Hs.74649	KIAA1067 protein	COX6C	605.3344	
GF203	289494	N63987	Hs.19436	Hs.243901	EST	KIAA1067	605.2772	-1.7996652
GF202	1031278	AA609049	Hs.112635	Hs.112635	ESTs		605.2435	1.20452125
GF203	53331	R15922	Hs.100860	Hs.180295	ESTs		605.232	-1.3069446
GF203	208599	H63723	Hs.107992	Hs.107992	ESTs		605.1366	-1.7501931
GF200	108265	T70541	Hs.13740	Hs.13740	ESTs		605.0397	-1.1210204
GF204	1292694	AA719270	Hs.120373	Hs.120373	EST		604.9511	
GF201	782688	AA447593	Hs.33846	Hs.33846	dynein, axonemal, light intermediate polypeptide	P28	604.9177	
GF203	280785	N50661	Hs.127365	Hs.127365	ESTs		604.8864	-1.1381588
GF203	392641	AA708327	Hs.129885	Hs.129885	ESTs		604.8281	-2.1102624
GF202	752813	AA436378	Hs.5392	Hs.5392	Homo sapiens mRNA; cDNA DKFZp434L1021 (from clone DKFZp434L1021); partial cds		604.8017	-1.1855626
GF203	712976	AA282541	Hs.89029	Hs.89029	ESTs		604.6179	1.53565102
GF203	726822	AA398306	Hs.6285	Hs.6285	DKFZP586P0123 protein	DKFZP586P0123	604.609	-1.4089763
GF204	701450	AA286902	Hs.106645	Hs.106645	ESTs		604.5247	
GF201	418054	W90726	Hs.59329	Hs.269179	ESTs		604.5199	
GF201	140907	R67318	Hs.60291	Hs.60291	ESTs		604.4572	
GF202	781492	AA432134	Hs.98681	Hs.98681	ESTs		604.4078	-1.3022497
GF204	1635110	AA994811	Hs.44163	Hs.44163	ESTs, Highly similar to 13kD differentiation-associated protein [H.sapiens]		604.3878	
GF200	294040	N68497	Hs.6717	Hs.30991	KIAA0957 protein	KIAA0957	604.3157	1.15272856
GF204	825413	AA504273	Hs.105727	Hs.105727	ESTs		604.3065	
GF203	814501	AA459358	Hs.99749	Hs.99749	EST		604.2827	-1.1845655
GF203	796508	AA460229	Hs.60103	Hs.60103	KIAA0690 protein	KIAA0690	604.2729	-2.0455197
GF204	745547	AA626261	Hs.127275	Hs.127275	ESTs		604.1608	
GF202	265042	N20833	Hs.42893	Hs.260750	ESTs		604.149	-1.3899035
GF203	279824	N40968	Hs.4210	Hs.4210	ESTs		604.027	-1.2172289
GF201	782730	AA447978	Hs.95197	Hs.95197	retinaldehyde dehydrogenase 2	RALDH2	604.0104	



APPENDIX A

GF203	823878	AA490474	Hs.61539	Hs.61539	ESTs	603.9781	1.17637408
GF204	460180	AA676938	Hs.117015	Hs.117015	ESTs, Weakly similar to alpha-1(XVIII) collagen [M.musculus]	603.9601	
GF202	731299	AA421005	Hs.111993	Hs.191603	ESTs	603.7593	-1.1045807
GF204	377987	AA788874	Hs.64859	Hs.64859	ESTs	603.5071	
GF200	345430	W72473	Hs.85701	Hs.85701	phosphoinositide-3-kinase, catalytic, alpha polypeptide discs, large (Drosophila)	603.2911	-1.0354302
GF200	113300	T83829	Hs.102507	Hs.170290	homolog 5	603.203	1.1592234
GF202	565693	AA133395	Hs.71233	Hs.203920	ESTs	603.0742	-1.0973295
GF204	460034	AA676730	Hs.128019	Hs.150319	ESTs	603.0548	
GF200	789376	AA453335	Hs.13046	Hs.13046	thioredoxin reductase 1	602.9871	1.12961769
GF203	1420370	AA857035	Hs.76289	Hs.76289	biliverdin reductase B (flavin reductase (NADPH))	602.6113	1.05688647
GF201	428005	AA001718	Hs.14351	Hs.189711	ESTs	602.455	
GF203	814682	AA481060	Hs.10248	Hs.10248	Homo sapiens cDNA FLJ20167 fis, clone COL09512	602.3157	-1.5779488
GF202	681917	AA256132	Hs.97847	Hs.173880	interleukin 1 receptor accessory protein	602.2404	-1.1926183
GF203	450041	AA703383	Hs.120779	Hs.191088	ESTs	602.2392	-1.1247007
GF204	460108	AA676837	Hs.117742	Hs.271770	ESTs	602.0786	
GF203	767706	AA417956	Hs.40782	Hs.40782	ESTs	602.0677	1.03208418
GF203	268726	N24002	Hs.88527	Hs.88527	ESTs	601.9926	-1.4034656
GF203	452563	AA778846	Hs.131806	Hs.185233	ESTs	601.9732	-1.0354953
GF200	229580	H66611	Hs.105255	Hs.209099	ESTs, Weakly similar to !!! ALU SUBFAMILY SP	601.8188	-1.5113046
GF202	343515	W69127	Hs.3449	Hs.274411	WARNING ENTRY !!! [H.sapiens] scan domain protein 1; SCAN-related protein RAZ1	601.8007	1.36865737
GF200	299085	W05553	Hs.20993	Hs.20993	ESTs, Highly similar to NY-REN-2 antigen [H.sapiens]	601.7339	-1.0793683
GF201	269246	N26645	Hs.77080	Hs.58220	Homo sapiens clone 24723 mRNA sequence	601.5682	

## APPENDIX A

GF204	1636606	AI000188	Hs.10319	UDP glycosyltransferase 2	UGT2B7	601.502	
GF203	813754	AA453804	Hs.8172	family, polypeptide B7		601.4595	-1.0197138
				ESTs			
GF203	811770	AA463446	Hs.115579	heterogeneous nuclear			
GF204	745596	AA626333	Hs.118314	ribonucleoprotein H1 (H)	HNRPH1	601.3485	-1.4563753
				ESTs		600.9945	
				high-mobility group			
				(nonhistone chromosomal)			
GF200	31873	R17124	Hs.63272	protein 17-like 3	HMG17L3	600.8971	-1.0446973
				estrogen receptor-binding			
GF200	78217	T50699	Hs.9222	fragment-associated gene 9	EBAG9	600.7354	-1.2917704
GF203	768460	AA495947	Hs.180799	ESTs		600.6924	-1.8151932
				Homo sapiens clone 23551			
GF201	345329	W72559	Hs.102933	mRNA sequence		600.5093	
GF200	342640	W68220	Hs.81892	KIAA0101 gene product	KIAA0101	600.4108	1.93545796
GF203	814099	AA465368	Hs.99641	ESTs		600.3832	-1.4210391
GF200	814792	AA465611	Hs.78829	ubiquitin specific protease 10	USP10	600.2679	-1.1651209
GF202	1031509	AA609251	Hs.112674	ESTs		600.2507	-1.4731802
GF201	61044	T40725	Hs.8295	ESTs		600.2488	
GF201	277134	N40917	Hs.93836	DKFZP434N014 protein	DKFZP434N014	600.2337	
GF202	377440	AA055236	Hs.63171	EST		600.1892	1.93627658
GF203	294381	N64455	Hs.48984	ESTs		600.1428	-2.2824276
GF201	179443	H51377	Hs.107373	ESTs		600.0994	
GF202	810993	AA485360	Hs.105661	ESTs		600.0831	-1.1469797
GF203	796510	AA460230	Hs.58521	ESTs		600.0098	-1.6306791
GF202	811063	AA485451	Hs.105667	ESTs		600.0024	-1.1103551
GF202	307995	N92293	Hs.54771	EST		599.9163	-1.4182144
GF200	109314	T80848	Hs.67982	ESTs		599.8693	-1.5750451
GF203	768199	AA424887	Hs.20185	KIAA0732 protein	KIAA0732	599.7375	-1.6282755
				splicing factor, arginine/serine-			
GF200	950092	AA598400	Hs.4118	rich 3	SFRS3	599.6457	1.10126181
GF200	784104	AA446737	Hs.23841	KIAA0355 gene product	KIAA0355	599.5906	-1.1312442
				small nuclear			
				ribonucleoprotein polypeptide			
GF201	586895	AA133577	Hs.77496	G	SNRPG	599.4396	
GF203	812243	AA455052	Hs.99387	ESTs		599.4178	1.10679804

APPENDIX A

GF202	951241	AA620485	Hs.62273	Hs.7594	solute carrier family 2 (facilitated glucose transporter), member 3	SLC2A3	599.3813	-1.2301178
GF204	1048865	AA778530	Hs.48692	Hs.48692	ESTs		599.2587	
GF202	626793	AA191294	Hs.82333	Hs.83724	Human clone 23773 mRNA sequence		598.9334	-1.1657625
GF201	84464	T73794	Hs.62130	Hs.107637	Homo sapiens clone 25107 mRNA sequence		598.803	
GF204	51011	H19242	Hs.113821	Hs.75295	guanylate cyclase 1, soluble, alpha 3	GUCY1A3	598.6641	
GF203	645670	AA206454	Hs.86256	Hs.86256	EST		598.4099	-2.0093952
GF202	141762	R69790	Hs.116771	Hs.116771	Homo sapiens unknown protein IT1 mRNA, partial cds		598.3826	-1.1947405
GF202	1055278	AA621478	Hs.112991	Hs.130699	ESTs		598.3802	-1.0694188
GF204	26443	R37351	Hs.117503	Hs.172153	glutathione peroxidase 3 (plasma)	GPX3	598.2406	
GF200	197176	R92806	Hs.56845	Hs.56845	GDP dissociation inhibitor 2	GDI2	598.0668	1.95438715
GF203	262542	H99317	Hs.127310	Hs.127310	ESTs		597.881	1.32832203
GF201	428789	AA004675	Hs.75802	Hs.4220	ESTs, Moderately similar to tetracycline transporter-like protein [M.musculus]		597.854	
GF201	22851	R45279	Hs.12320	Hs.12320	ESTs		597.798	
GF204	461489	AA705058	Hs.120901	Hs.190347	ESTs		597.7384	
GF201	429820	AA009778	Hs.36185	Hs.36185	ESTs		597.5758	
GF200	47510	H11692	Hs.21022	Hs.21022	adaptor-related protein complex 3, beta 2 subunit	NAPT3	597.5313	-1.3552103
GF203	173554	H22346	Hs.115114	Hs.167460	splicing factor, arginine/serine- rich 3	SFRS3	597.3476	-1.1780293
GF204	700563	AA283947	Hs.89260	Hs.245322	EST		597.2825	
GF203	704026	AA279150	Hs.22353	Hs.22353	ESTs, Weakly similar to CGI- 89 protein [H.sapiens]		597.1705	-1.1737003
GF200	198904	R95693	Hs.12152	Hs.12152	ESTs, Moderately similar to SIGNAL RECOGNITION PARTICLE RECEPTOR BETA SUBUNIT [M.musculus]		597.1232	1.16603602

APPENDIX A

GF203	486374	AA044106	Hs.22325	Hs.22325	ESTs	597.1171	-1.360902
GF200	126509	R06745	Hs.19782	Hs.184192	ESTs	596.9177	-1.1998139
GF201	347035	W81135	Hs.106399	Hs.6684	KIAA0476 gene product	596.7233	
GF200	292612	N90368	Hs.118130	Hs.247309	succinate-CoA ligase, GDP-forming, beta subunit	596.6674	1.66993792
GF200	295590	W02401	Hs.50220	Hs.50220	ESTs	596.5756	-2.1258033
GF203	344272	W73810	Hs.9999	Hs.9999	epithelial membrane protein 3	596.3633	-1.1612089
GF202	50477	H17034	Hs.106558	Hs.115175	sterile-alpha motif and leucine zipper containing kinase AZK	596.3099	1.27605013
GF204	433491	AA699589	Hs.119447	Hs.250722	ESTs	596.2958	
GF201	432210	AA679422	Hs.2246	Hs.2246	carboxypeptidase N, polypeptide 1, 50kD	596.1387	CPN1
GF201	279399	N48708	Hs.5701	Hs.169001	ESTs, Weakly similar to cytochrome P-450L TBV [H.sapiens]	596.0317	
GF204	50987	H18434	Hs.113815	Hs.169900	poly(A)-binding protein, cytoplasmic 4 (inducible form)	595.897	PABPC4
GF200	244637	N54914	Hs.75847	Hs.75847	chromosome 15 open reading frame 3	595.828	1.07736395
GF203	148960	R82825	Hs.107468	Hs.71252	Homo sapiens mRNA; cDNA DKFZp761C169 (from clone DKFZp761C169); partial cds	595.8102	-1.9953871
GF200	686164	AA262204	Hs.89981	Hs.89981	diacylglycerol kinase, zeta (104kD)	595.7692	-1.7618803
GF201	795185	AA453474	Hs.100525	Hs.227656	xenotropic and polytropic retrovirus receptor	595.7324	
GF202	757392	AA426110	Hs.94554	Hs.94554	ESTs	595.6133	-1.7230972
GF201	230016	H71320	Hs.102210	Hs.250426	ESTs	595.6053	
GF204	743699	AA629337	Hs.116328	Hs.116328	ESTs, Moderately similar to transcription repressor protein PRDI-BF1 [H.sapiens]	595.5773	
GF204	344210	W69805	Hs.6125	Hs.244624	ESTs	595.4764	
GF201	291558	N72882	Hs.43260	Hs.221497	ESTs	595.3714	

APPENDIX A

GF202	288961	N62712	Hs.109246	Hs.226223	KIAA0618 gene product	KIAA0618	595.3116	-1.999741
					Human clone 23719 mRNA			
GF201	773373	AA425722	Hs.80305	Hs.80305	sequence		595.1595	
GF204	858779	AA779063	Hs.122686	Hs.122686	ESTs		594.9459	
GF204	970480	AA776174	Hs.130320	Hs.110613	KIAA0220 protein	KIAA0220	594.9407	
					microtubule-associated protein			
GF203	647397	AA199717	Hs.6995	Hs.101174	tau	MAPT	594.8378	-2.086489
GF201	346538	W74418	Hs.55410	Hs.55410	ESTs		594.8221	
GF201	282500	N49853	Hs.79202	Hs.21895	plexin B3	PLXNB3	594.6418	
GF204	23228	R38662	Hs.12354	Hs.12354	ESTs		594.6077	
					ESTs, Highly similar to			
GF204	261699	H99123	Hs.117980	Hs.117980	KIAA0187 [H.sapiens]		594.5305	
GF201	347183	W80666	Hs.46824	Hs.46824	ESTs		594.4318	
					integrin cytoplasmic domain-			
GF200	815534	AA456882	Hs.11992	Hs.173274	associated protein 1	ICAP-1A	594.3684	1.51263508
GF203	753404	AA410396	Hs.76591	Hs.76591	KIAA0887 protein	KIAA0887	594.3667	-1.30304
GF203	452708	AA779251	Hs.122583	Hs.122583	ESTs		593.9907	1.13514776
GF201	397495	AA701081	Hs.113541	Hs.114169	KIAA0416 protein	KIAA0416	593.9077	
					5-methyltetrahydrofolate-			
					homocysteine			
GF201	666169	AA233650	Hs.82283	Hs.82283	methyltransferase	MTR	593.8728	
GF203	283748	N50742	Hs.4257	Hs.4257	ESTs		593.8469	1.39626213
GF202	772441	AA405558	Hs.66378	Hs.66378	ESTs		593.8209	-1.4589361
GF203	436121	AA701996	Hs.109722	Hs.169228	delta (Drosophila)-like 1	DLK1	593.8064	-1.377351
					Homo sapiens cDNA			
					FLJ10813 fis, clone			
					NT2RP4000979			
GF203	785663	AA449085	Hs.106210	Hs.106210	ESTs		593.7121	-1.3505069
GF201	810700	AA457688	Hs.106963	Hs.106963	ESTs		593.6342	
GF201	278956	N66653	Hs.94181	Hs.94181	ESTs		593.4518	
GF204	1456701	AA864861	Hs.122607	Hs.122607	B-cell CLL/lymphoma 9	BCL9	593.4355	
					nuclear factor I/X (CCAAT-			
GF201	130046	R19306	Hs.77816	Hs.35841	binding transcription factor)	NFIX	593.3673	
					Homo sapiens mRNA for			
GF201	811100	AA485669	Hs.86541	Hs.59563	FLJ00007 protein, partial cds		593.3393	

APPENDIX A

ESTs, Moderately similar to !!!!

ALU SUBFAMILY SQ

WARNING ENTRY !!!!

[H.sapiens]

593.29 -1.9077112

ESTs, Moderately similar to

KIAA0891 protein [H.sapiens]

ubiquitin protein ligase E3A

(human papilloma virus E6-

associated protein, Angelman

syndrome)

UBE3A

593.0963 -1.1966022

TATA box binding protein

(TBP)-associated factor, RNA

polymerase II, I, 28kD

TAF2I

cornichon-like

CNIL

ESTs

ESTs

ESTs

WD-repeat protein

HAN11

ESTs, Highly similar to CGI-83

protein [H.sapiens]

ESTs

ESTs

Homo sapiens mRNA; cDNA

DKFZp434J1726 (from clone

DKFZp434J1726)

STRIN protein

ribosomal protein S5

pseudogene 1

v-maf musculoaponeurotic

fibrosarcoma (avian)

oncogene family, protein G

ESTs

homeo box C4

MAFG

HOXC4

591.9596  
591.864  
591.8585 -1.0107554

GF200 230196 H94903 Hs.13179 Hs.13179

GF201 809848 AA455107 Hs.22466 Hs.22466

GF200 180520 R85213 Hs.79408 Hs.180686

GF201 306444 N92711 Hs.83126 Hs.83126

GF204 826341 AA521110 Hs.18120 Hs.201673

GF203 754654 AA411607 Hs.40178 Hs.40178

GF200 129925 R19189 Hs.20811 Hs.133456

GF202 73526 T55547 Hs.9905 Hs.9905

GF203 1343768 AA725641 Hs.118960 Hs.154397

GF202 730741 AA435999 Hs.86214 Hs.118554

GF204 462192 AA705436 Hs.120852 Hs.120852

GF202 284408 N52158 Hs.47448 Hs.47448

GF200 121220 T97183 Hs.17992 Hs.17992

GF202 795831 AA461508 Hs.112144 Hs.180403

GF201 376217 AA039547 Hs.72803 Hs.237225

GF201 266037 N21609 Hs.108926 Hs.252229

GF201 121028 T96309 Hs.17781 Hs.152385

GF200 300866 W07690 Hs.50895 Hs.116050

T.020.00 362,6860

## APPENDIX A

Human DNA sequence from clone CTA-250D10 on chromosome 22 Contains the genes for SREBF2 (sterol regulatory element binding transcription factor 2), NAGA (alpha-N-acetylgalactosaminidase), a gene similar to neuronal-specific septin 3, a pseudogene similar ESTs				591.8302 591.7463		-2.0211647	
SELENOPHOSPHATE SYNTHETASE; Human selenium donor protein				591.6146		-1.1186475	
Homo sapiens mRNA; cDNA DKFZp434G227 (from clone DKFZp434G227) ESTs				591.4399 591.4297		-1.2682324	
Homo sapiens mRNA for KIAA1209 protein, partial cds adaptor-related protein complex 2, alpha 2 subunit				591.4169 591.3452			
TBP-associated factor 172				591.3347		ADTAB	
EH domain containing 3				591.2515		TAF-172	
ESTs				591.2443		EHD3	
Homo sapiens mRNA; cDNA DKFZp434N2116 (from clone DKFZp434N2116)				591.2072			
ESTs, Moderately similar to KIAA0563 protein [H.sapiens]				591.1921		-1.4383152	
caspase 10, apoptosis-related cysteine protease				591.1713		CASP10	
ALEX3 protein				591.1077		ALEX3	
ESTs				590.9879		1.52411392	

APPENDIX A

GF203	397649	AA708275	Hs.120103	Hs.95871	ESTs ESTs, Weakly similar to reverse transcriptase [H.sapiens] phosphodiesterase 6D, cGMP- specific, rod, delta Homo sapiens mRNA; cDNA DKFZp761O051 (from clone DKFZp761O051) similar to S68401 (cattle) glucose induced gene ESTs katanin p60 (ATPase- containing) subunit A 1 Homo sapiens mRNA for NICE-5 protein EST EST putative nuclear protein CGG triplet repeat binding protein 1 Homo sapiens mRNA; cDNA DKFZp434B1813 (from clone DKFZp434B1813); partial cds ESTs A kinase (PRKA) anchor protein 7 Homo sapiens cDNA FLJ10242 fis, clone HEMBB1000630 CDC16 (cell division cycle 16, S. cerevisiae, homolog) ESTs, Weakly similar to Glucosidase II [H.sapiens] beta-site APP-cleaving enzyme	590.7128  590.7026  590.577  590.5583  590.4245 590.3755  590.3456  590.3168 590.3074 590.2441 590.2123  590.191  590.1415 590.1216  589.8495  589.8008  589.7479  589.6353  589.6058	1.04589858    -1.4589461  -2.2985093    -1.6152179  -1.1055669 -1.6203848 -2.2428551    -2.6790202 -1.1460119  -1.1290992    2.09594152  -1.5686516
GF201	134997	R31793	Hs.78226	Hs.121585			
GF202	767422	AA417919	Hs.48291	Hs.48291			
GF203	897276	AA677650	Hs.110443	Hs.110443			
GF201	34442	R44985	Hs.22920	Hs.22920			
GF201	505054	AA149802	Hs.37925	Hs.37925			
GF203	796496	AA460224	Hs.22964	Hs.180859			
GF202	742695	AA400297	Hs.23410	Hs.23410			
GF202	1035457	AA621665	Hs.113004	Hs.208957			
GF203	683129	AA214542	Hs.104177	Hs.104177			
GF204	32772	R43519	Hs.98118	Hs.102469			
GF204	897189	AA676974	Hs.86041	Hs.86041			
GF203	205497	H57857	Hs.12646	Hs.12646			
GF202	731084	AA421481	Hs.98134	Hs.126866			
GF203	195751	R89082	Hs.12835	Hs.12835			
GF201	418299	W90749	Hs.13422	Hs.168241			
GF204	1506477	AA906480	Hs.128735	Hs.1592			
GF203	703820	AA278326	Hs.35445	Hs.35445			
GF203	786069	AA448660	Hs.49349	Hs.49349			



APPENDIX A

GF201	809857	AA455128	Hs.62743	Hs.52515	transducin (beta)-like 2	TBL2	589.5291
GF204	1048961	AA778609	Hs.120316	Hs.120316	ESTs		589.4775
GF202	626841	AA191433	Hs.81688	Hs.81688	met proto-oncogene		
GF202	292531	N62652	Hs.109366	Hs.109366	(hepatocyte growth factor receptor)	MET	589.4478
GF204	233910	H68100	Hs.36342	Hs.268902	ESTs		589.2711
					ESTs		589.0922
GF200	133114	R26355	Hs.24032	Hs.19545	frizzled (Drosophila) homolog		
GF201	428492	AA005428	Hs.60140	Hs.60140	4	FZD4	588.938
					ESTs		588.8835
GF201	771013	AA427873	Hs.22471	Hs.181341	ESTs, Weakly similar to Kelch		
GF200	768324	AA424807	Hs.23488	Hs.23488	motif containing protein		
					[H.sapiens]		
GF204	435619	AA703191	Hs.8772	Hs.241231	KIAA0107 gene product	KIAA0107	588.8517
GF200	85497	T71879	Hs.2253	Hs.2253	ESTs, Weakly similar to IP63		588.8232
GF201	340641	W56760	Hs.39987	Hs.39987	protein [R.norvegicus]		
GF202	246614	N57692	Hs.118064	Hs.118064	complement component 2	C2	588.8033
GF201	503520	AA131325	Hs.57873	Hs.57873	ESTs		588.7111
GF204	1473118	AA873542	Hs.126247	Hs.163323	ESTs		588.7031
GF201	504431	AA151245	Hs.66199	Hs.66199	ESTs		588.5809
					Homo sapiens mRNA; cDNA		588.3931
GF203	752770	AA417895	Hs.17834	Hs.17834	DKFZp434M035 (from clone		588.1935
GF201	376574	AA041482	Hs.42502	Hs.42502	DKFZp434M035)		588.1225
					ESTs		
					Homo sapiens cDNA		
GF201	284621	N64801	Hs.47265	Hs.28005	FLJ11309 fis, clone		587.9821
GF204	1292468	AA718933	Hs.98177	Hs.180192	PLACE1010076		587.7503
					ESTs		

T02020" 86226850

## APPENDIX A

Human DNA sequence from clone RP1-18C9 on chromosome 20 Contains part of a novel gene similar to acetyl-coenzyme A synthetase, a novel gene (locus D20S101) similar to Gamma-glutamyltranspeptidase (contains CCA trinucleotide repeat), a gene similar to HMG2									
GF200	126522	R06840	Hs.19802	Hs.100997				587.7156	-1.4921866
GF204	1422496	AA827468	Hs.87699	Hs.100407	programmed cell death 4	PDCD4		587.7047	
GF204	125311	R05810	Hs.115472	Hs.115472	ESTs			587.6789	
GF202	839566	AA489790	Hs.4976	Hs.167496	RAN binding protein 6	RANBP6		587.6129	1.38374447
ESTs, Weakly similar to !!!!									
ALU SUBFAMILY J									
WARNING ENTRY !!!!									
GF204	460504	AA700367	Hs.117066	Hs.180030	[H.sapiens]			587.5796	
Homo sapiens mRNA full length insert cDNA clone									
GF203	134430	R32025	Hs.113353	Hs.8963	EUROIMAGE 248114			587.5587	-1.7725705
lectin, galactoside-binding, soluble, 4 (galectin 4)									
GF201	586685	AA130579	Hs.5302	Hs.5302		LGALS4		587.5528	
Fc fragment of IgG, low affinity									
GF201	868380	AA634109	Hs.78864	Hs.78864	Ila, receptor for (CD32)	FCGR2A		587.4671	
Homo sapiens partial mRNA for choline dehydrogenase (chdh gene)									
GF204	240988	H90906	Hs.100756	Hs.131668	ESTs			587.4652	
GF204	452635	AA779148	Hs.59584	Hs.59584	uridine phosphorylase	UP		587.4148	
GF203	489677	AA099568	Hs.77573	Hs.77573	Homo sapiens clone 23904			587.1923	-1.9452412
mRNA sequence									
GF202	839081	AA487608	Hs.67364	Hs.250175				587.1737	-1.1986418

APPENDIX A

GF202	729957	AA412051	Hs.28741	Hs.46743	Homo sapiens mRNA; cDNA DKFZp761A072 (from clone DKFZp761A072)	587.1487	-1.003137
GF204	878330	AA670305	Hs.6994	Hs.6994	ESTs	587.1052	
GF202	342685	W68711	Hs.83466	Hs.170226	Homo sapiens clone 23579 mRNA sequence	586.6581	1.27449228
GF203	878231	AA775774	Hs.6544	Hs.247452	Homo sapiens cDNA FLJ10345 fis, clone NT2RM2000984	586.5056	1.03430756
GF201	270505	N33214	Hs.2399	Hs.2399	matrix metalloproteinase 14 (membrane-inserted)	586.418	
GF202	364301	AA022466	Hs.61141	Hs.61141	EST	586.3215	-2.7908758
GF201	782314	AA432256	Hs.25750	Hs.25750	ESTs	586.171	
GF204	1504447	AA904803	Hs.130099	Hs.157212	ESTs	586.1482	
GF204	824891	AA488899	Hs.38316	Hs.151411	KIAA0916 protein	586.0838	
GF200	302031	W17289	Hs.100301	Hs.105751	Ste20-related serine/threonine kinase	585.9909	1.31421318
GF203	785365	AA476584	Hs.7980	Hs.7980	ESTs	585.9011	1.11024342
GF201	429737	AA009671	Hs.20650	Hs.221785	ESTs, Weakly similar to 17.9 KD MEMBRANE PROTEIN	585.8797	
GF203	250822	H96095	Hs.12171	Hs.100861	C21ORF4 [H.sapiens]	585.8745	1.15518731
GF202	743143	AA401349	Hs.97412	Hs.172506	ESTs, Weakly similar to p60 katanin [H.sapiens]	585.7387	1.44692469
GF202	1030635	AA608769	Hs.112586	Hs.112586	myosin VB	585.7185	-2.1968019
GF203	812988	AA464612	Hs.126940	Hs.274417	ESTs, Weakly similar to KIAA0339 [H.sapiens]	585.6024	1.04241236
GF202	784146	AA432083	Hs.10903	Hs.10903	Homo sapiens HSPC183 mRNA, complete cds	585.479	-1.0376018
GF204	356629	W84432	Hs.58670	Hs.58670	ESTs	585.4751	
GF200	134172	R30957	Hs.106616	Hs.168232	ESTs, Weakly similar to ubiquitin conjugating enzyme [H.sapiens]	585.3594	-1.3835995
GF200	142647	R70925	Hs.20558	Hs.20558	Homo sapiens cDNA FLJ20345 fis, clone HEP13723	585.2655	-1.5187984

APPENDIX A

GF204	1035765	AA629117	Hs.26361	Hs.90063	Homo sapiens clone 24665			585.2311	
GF202	505341	AA156235	Hs.72128	Hs.139077	mRNA sequence			585.2048	1.01218486
GF203	824530	AA490894	Hs.78494	Hs.247043	EST	CAST		585.186	-1.4708898
GF203	752899	AA481433	Hs.102314	Hs.102314	calpastatin			585.175	-1.4736733
GF204	1468644	AA884652	Hs.120361	Hs.120361	ESTs			585.1514	
GF203	130845	R22308	Hs.118974	Hs.111515	DKFZP5861023 protein	DKFZP5861023		585.0504	1.14660829
GF202	785907	AA449487	Hs.74750	Hs.168350	KIAA0554 protein	KIAA0554		585.0073	-1.7640891
					Fas (TNFRSF6)-associated				
GF200	773724	AA430751	Hs.86131	Hs.86131	via death domain	FADD		584.8845	-1.166905
GF201	208027	H59780	Hs.108194	Hs.108194	ESTs			584.8796	
GF201	488276	AA085759	Hs.84672	Hs.2820	oxytocin receptor	OXTR		584.7682	
GF201	61502	T40950	Hs.8352	Hs.8352	ESTs			584.7277	
GF201	241769	H90565	Hs.41423	Hs.41423	ESTs			584.6145	
					Homo sapiens cDNA				
					FLJ10896 fis, clone				
GF202	788556	AA452823	Hs.16411	Hs.16411	NT2RP5003461, weakly			584.6085	1.0982907
GF203	767877	AA418896	Hs.98312	Hs.98312	similar to RLR1 PROTEIN			584.5989	-1.3565581
GF204	1415981	AA947922	Hs.127801	Hs.238809	ESTs			584.5166	
GF204	854864	AA630343	Hs.116768	Hs.116768	ESTs			584.5063	
					Ts translation elongation				
GF201	324618	W47015	Hs.3273	Hs.3273	factor, mitochondrial	TSFM		584.4219	
					diphtheria toxin resistance				
					protein required for				
					diphthamide biosynthesis				
GF201	878468	AA670380	Hs.84183	Hs.84183	(Saccharomyces)-like 1	DPH2L1		584.1871	
					wingless-type MMTV				
					integration site family member				
GF203	415043	W93113	Hs.125212	Hs.89791	2	WNT2		584.1505	1.47048214
					microvascular endothelial				
GF201	773278	AA425320	Hs.6790	Hs.6790	differentiation gene 1	MDG1		584.0867	
GF204	431945	AA678170	Hs.125199	Hs.188105	ESTs			584.0493	
					ESTs, Weakly similar to				
GF204	1276370	AA694477	Hs.126280	Hs.126280	dJ29K1.2 [H.sapiens]			583.9761	

APPENDIX A

GF204	788273	AA454115	Hs.6000	Hs.93379	eukaryotic translation initiation factor 4B	EIF4B	583.9415
GF201	51581	H22824	Hs.30581	Hs.30581	ESTs		583.9119
GF200	770858	AA434483	Hs.85289	Hs.85289	CD34 antigen	CD34	583.7967
					transforming growth factor, beta 3	TGFB3	1.14032147
GF200	486208	AA040617	Hs.2025	Hs.2025	ESTs		583.7474
GF203	727009	AA398495	Hs.97643	Hs.97643	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like 1		583.7445
					EST	NIPSNAP1	583.6439
GF204	1610408	AA995464	Hs.7781	Hs.173878	dipeptidylpeptidase VI	DPP6	583.5506
GF202	730601	AA435982	Hs.115496	Hs.115496	ESTs		583.5356
GF201	361688	W96197	Hs.34074	Hs.34074	KIAA0481 gene product	KIAA0481	583.4512
GF202	364839	AA053962	Hs.62566	Hs.263479	Ran GTPase activating protein 1		583.2701
GF203	454632	AA677167	Hs.6360	Hs.6360	lipoma HMGIC fusion partner	RANGAP1	583.1893
GF200	366558	AA026631	Hs.100203	Hs.183800		LHFP	583.181
GF200	247616	N58145	Hs.93765	Hs.93765	low density lipoprotein-related protein-associated protein 1 (alpha-2-macroglobulin receptor-associated protein 1)	LRPAP1	-1.0490778
GF200	842785	AA486313	Hs.75140	Hs.75140	ESTs		583.0338
GF201	344036	W70259	Hs.48523	Hs.48523	ESTs		582.9835
GF201	289057	N63604	Hs.47166	Hs.47166	Kruppel-like factor 7 (ubiquitous)	KLF7	582.9706
GF202	843283	AA488672	Hs.21599	Hs.21599	ESTs		582.9095
GF204	489668	AA099542	Hs.43761	Hs.43761	ESTs		582.9034
GF202	427754	AA002226	Hs.59875	Hs.217259	apoptosis regulator	LOC51283	582.8613
GF201	25718	R37093	Hs.4977	Hs.168159	ESTs		582.8297
GF200	127769	R08790	Hs.13041	Hs.13041	ESTs		582.8249
GF201	284805	N59871	Hs.48444	Hs.48444	t-complex-associated-testis-expressed 1-like 1	TCTEL1	582.7353
GF204	1631194	AA994757	Hs.30081	Hs.266940	ESTs		582.688
GF201	297800	N69945	Hs.48364	Hs.48364	tissue factor pathway inhibitor 2	TFPI2	582.6758
GF200	726086	AA399473	Hs.78045	Hs.78045			582.5715
							1.08549269

## APPENDIX A

GF204	884335	AA629529	Hs.13787	Hs.31575	SEC63, endoplasmic reticulum translocon component (S. cerevisiae) like ESTs, Weakly similar to GPI-ANCHORED PROTEIN P137 [H.sapiens]	SEC63L	582.5371	
GF204	451734	AA707672	Hs.101025	Hs.262095			582.5233	
GF201	133637	R27615	Hs.9488	Hs.155637	protein kinase, DNA-activated, catalytic polypeptide	PRKDC	582.3724	1.75676432
GF200	810552	AA464669	Hs.7771	Hs.7771	B-cell associated protein	REA	582.2834	-1.2992204
GF202	730866	AA416988	Hs.98182	Hs.98182	ESTs		582.2448	
GF201	258688	N30075	Hs.15347	Hs.6538	ANKHZN protein	ANKHZN	582.1378	
					Homo sapiens cDNA			
GF201	144849	R78530	Hs.107181	Hs.29748	FLJ20845 fis, clone		582.0343	
					ADKA01901			
					SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1			
GF202	950473	AA599120	Hs.57644	Hs.241451	ESTs, Moderately similar to !!! ALU SUBFAMILY SX WARNING ENTRY !!!	SMARCE1	581.952	-1.2972475
					[H.sapiens]			
GF201	811142	AA485731	Hs.103444	Hs.261239	ESTs		581.9037	
GF204	121196	T97171	Hs.121570	Hs.121570	Kruppel-like factor 12	KLF12	581.8968	
GF201	34367	R44213	Hs.23510	Hs.23510	protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin		581.8875	
GF202	773073	AA425302	Hs.84461	Hs.75621	Homo sapiens cDNA	PI	581.646	1.44765502
					FLJ11219 fis, clone			
GF203	725392	AA292064	Hs.34737	Hs.40337	PLACE1008122		581.616	-1.1540871
					chloride intracellular channel 4 like	CLIC4L		
GF203	868472	AA634261	Hs.25035	Hs.25035	ESTs		581.5538	1.12105654
GF203	362552	AA018412	Hs.60864	Hs.174918			581.495	-1.3671293
GF201	344648	W74657	Hs.29405	Hs.107740	Kruppel-like factor 2 (lung)	KLF2	581.4382	

APPENDIX A

GF201	52562	H29538	Hs.26541	Hs.159408	Homo sapiens clone 24420	581.4116	
GF200	130781	R22054	Hs.101414	Hs.101414	mRNA sequence	581.3552	1.06250531
GF204	825357	AA504501	Hs.40730	Hs.40730	KIAA0557 protein	580.9877	
GF202	773395	AA425647	Hs.56406	Hs.56406	ESTs	580.925	-1.8212467
GF202	796130	AA460967	Hs.22668	Hs.22668	ESTs	580.7451	1.11622654
GF203	824870	AA488875	Hs.6433	Hs.173108	Homo sapiens clone 24523	580.7352	-1.0858239
GF204	1558965	AA917769	Hs.1637	Hs.59498	mRNA sequence	580.6481	
					cell division cycle 2-like 5		
					(cholinesterase-related cell		
					division controller)		
					sema domain, immunoglobulin		
					domain (Ig), short basic		
					domain, secreted,		
					(semaphorin) 3B		
GF200	809892	AA455145	Hs.82222	Hs.82222	ESTs, Weakly similar to !!!!	580.6131	1.20844837
					ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
GF204	1627568	A1017159	Hs.131140	Hs.194373	[H.sapiens]	580.515	
GF204	1292469	AA718941	Hs.120784	Hs.120784	ESTs	580.5054	
					cell division cycle 10		
					(homologous to CDC10 of S.		
GF201	858292	AA633993	Hs.7593	Hs.184326	cerevisiae)	580.483	
					ESTs, Highly similar to AF-10		
GF202	279633	N48970	Hs.93964	Hs.167709	PROTEIN [H.sapiens]	580.1796	-1.2000668
GF202	595604	AA167269	Hs.29690	Hs.29690	ESTs	580.0607	1.44844331
GF202	307189	N93403	Hs.109441	Hs.109441	ESTs	580.0276	-1.2226473
GF204	854587	AA669139	Hs.116666	Hs.116666	ESTs	580.022	
					ESTs, Moderately similar to		
					weak similarity to Arabidopsis		
					thaliana ubiquitin-like protein 8		
					[C.elegans]		
GF202	66767	T64927	Hs.109701	Hs.109701	KIAA0232 gene product	579.9706	-2.1663964
GF200	753321	AA406589	Hs.79276	Hs.79276		579.8824	-1.110338
GF200	51448	H21041	Hs.460	Hs.460	activating transcription factor 3	579.6647	-1.08855
GF200	30502	R41685	Hs.22503	Hs.250500	delta-like 1 (mouse) homolog	579.5915	1.04400051
					DLL1		

APPENDIX A

GF202	81662	T65948	Hs.125171	Hs.86347	ESTs, Weakly similar to predicted using Genefinder [C.elegans] ESTs breast cancer 2, early onset PPARG binding protein fetal Alzheimer antigen KIAA0473 gene product nuclear receptor binding protein eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD)	579.5721	-1.2156367
GF203	35725	R45636	Hs.21810	Hs.21810		579.5198	-2.318385
GF201	193736	H48122	Hs.34012	Hs.34012		579.4554	-1.7088731
GF202	788196	AA453404	Hs.15589	Hs.15589		579.4221	-2.4231507
GF203	196257	R92601	Hs.124691	Hs.99872		579.3713	-1.840577
GF203	813275	AA455940	Hs.44896	Hs.44896	KIAA0473	579.2753	
GF203	35789	R45977	Hs.101200	Hs.272736	NRBP	578.9896	1.17318901
GF201	198093	R93622	Hs.107937	Hs.12163	EIF2S2	578.9487	
GF202	595090	AA173907	Hs.59507	Hs.59507	ESTs, Weakly similar to DNA TOPOISOMERASE I [M.musculus] SKI-like ESTs ESTs deoxythymidylate kinase hypothetical protein ESTs hydroxyacyl-Coenzyme A dehydrogenase, type II SH3-domain binding protein 2 suppressor of var1 (S.cerevisiae) 3-like 1	578.8778	-1.0376649
GF203	1390860	AA844447	Hs.38783	Hs.38783		578.8599	1.0126825
GF202	843091	AA488631	Hs.69280	Hs.69280		578.824	1.83923444
GF204	436455	AA699652	Hs.113098	Hs.186810		578.5944	
GF200	810156	AA464367	Hs.79006	Hs.79006		578.5317	-1.0378468
GF201	782170	AA431201	Hs.15653	Hs.107139	DTYMK	578.4196	
GF204	745123	AA626382	Hs.116167	Hs.179724	LOC51316	578.2684	
GF200	813419	AA458661	Hs.74645	Hs.171280	HADH2	578.2501	1.25857641
GF201	153694	R48132	Hs.16227	Hs.167679	SH3BP2	577.5217	
GF201	488157	AA046407	Hs.106469	Hs.106469	SUPV3L1	577.5157	
GF202	25132	R37620	Hs.90868	Hs.90868	ESTs, Weakly similar to alternatively spliced product using exon 13A [H.sapiens] ESTs ESTs zinc finger protein 165 forkhead box C1 CDC23 (cell division cycle 23, yeast, homolog)	577.483	-1.4379267
GF204	745222	AA626871	Hs.116182	Hs.116182		577.46	
GF204	855133	AA630217	Hs.131631	Hs.194392		577.3654	-1.2588616
GF202	328207	W31899	Hs.55481	Hs.55481		577.246	-1.1713411
GF200	768370	AA495846	Hs.75122	Hs.195471		577.1985	
GF203	26462	R20737	Hs.106416	Hs.153546	CDC23	577.1749	1.07341855



APPENDIX A

GF202	780945	AA429660	Hs.98633	Hs.98633	ESTs	577.0657	-1.308302
GF203	785710	AA449326	Hs.4084	Hs.4084	KIAA1025 protein Homo sapiens mRNA; cDNA	577.0447	-2.7114208
GF203	754157	AA478775	Hs.23869	Hs.23869	DKFZp434K2172 (from clone DKFZp434K2172)	576.7714	-1.2069715
GF204	1292136	AA705793	Hs.119917	Hs.19822	SEC24 (S. cerevisiae) related gene family, member D	576.4384	
GF202	587333	AA132867	Hs.34922	Hs.93379	eukaryotic translation initiation factor 4B	576.3296	-1.1288352
GF202	593398	AA160172	Hs.68703	Hs.68703	ESTs, Weakly similar to !!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!! [H.sapiens] cytochrome P450, subfamily I (aromatic compound- inducible), polypeptide 1	576.2772	1.96085518
GF203	768064	AA418907	Hs.72912	Hs.72912	ELK1, member of ETS	576.1437	-1.0260639
GF203	1388395	AA844141	Hs.1399	Hs.181128	oncogene family	576.1075	-2.6124699
GF202	625234	AA181085	Hs.54878	Hs.250696	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	576.0732	-1.514441
GF204	240752	H91046	Hs.106823	Hs.106823	H.sapiens gene from PAC	576.0407	
GF201	50265	H17462	Hs.23079	Hs.23079	426I6, similar to syntaxin 7	575.8917	
GF204	1460995	AA890098	Hs.126018	Hs.126018	ESTs	575.8626	
GF202	1031642	AA609512	Hs.112641	Hs.190413	EST	575.7971	-1.7433367
GF202	811891	AA454978	Hs.26129	Hs.26129	ESTs	575.7589	-2.6704338
GF202	206785	R98047	Hs.113968	Hs.113968	ESTs	575.7125	-1.262356
GF203	1408710	AA868515	Hs.54432	Hs.54432	sialyltransferase 4B (beta- galactoside alpha-2,3- sialyltransferase)	575.6906	-1.0872617
GF200	79254	T58146	Hs.1845	Hs.1845	MHC class I region ORF	575.5688	1.02825974
GF202	586780	AA130677	Hs.16145	Hs.16145	ESTs	575.5559	-1.1058806
GF201	415682	W84711	Hs.58299	Hs.118162	fibronectin 1	575.4821	
GF200	727292	AA401693	Hs.74076	Hs.74076	CD163 antigen	575.452	1.09798277
GF204	852577	AA663092	Hs.113418	Hs.113418	ESTs	575.3973	

APPENDIX A

GF204	1456721	AA864875	Hs.112110	PTD007 protein	PTD007	575.2814
GF201	51496	H18927	Hs.92583	ESTs		575.2637
GF204	447247	AA700971	Hs.9218	ESTs		575.2083
GF203	740631	AA477409	Hs.98520	ESTs		575.033
				phosphatidylinositol glycan,		-1.6822281
GF200	796147	AA460986	Hs.177	class H	PIGH	-1.0482127
GF204	378475	AA775620	Hs.28368	ESTs		574.9374
				heterogeneous nuclear		574.845
GF202	897823	AA598578	Hs.170311	ribonucleoprotein D-like	HNRPDL	574.778
GF200	121412	T96909	Hs.17919	ESTs		574.7294
				solute carrier family 11 (proton-		
				coupled divalent metal ion		
GF202	586990	AA133656	Hs.57435	transporters), member 2	SLC11A2	-1.2004986
GF204	1470119	AA865916	Hs.41136	ESTs		574.6277
GF204	448960	AA777799	Hs.171956	ESTs		574.6022
				Homo sapiens HDCMD45P		
GF203	428215	AA001745	Hs.103180	mRNA, partial cds		574.4756
GF202	280134	N46998	Hs.138693	EST		574.4135
GF202	289335	N73786	Hs.50369	EST		574.3983
GF201	856135	AA630604	Hs.75761	SFRS protein kinase 1	SRPK1	574.2606
GF204	196012	R89349	Hs.114925	KIAA0838 protein	KIAA0838	574.1194
GF201	51582	H22826	Hs.5978	LIM domain only 7	LMO7	573.6767
				ESTs, Weakly similar to		
GF204	878826	AA670417	Hs.116483	Notch3 [H.sapiens]		573.5676
				neurotrophic tyrosine kinase,		
GF202	782608	AA447537	Hs.99111	receptor, type 1	NTRK1	-1.6906954
				protein phosphatase 2,		
GF200	138116	R53787	Hs.79326	regulatory subunit B (B56),		
				epsilon isoform	PPP2R5E	573.4465
				ESTs, Highly similar to lambda-		
GF204	263247	H99932	Hs.108896	crystallin [H.sapiens]		573.3939
				PTK2 protein tyrosine kinase 2	PTK2	-1.2067801
GF200	724892	AA404694	Hs.740	ESTs		-1.3197825
GF202	376766	AA046322	Hs.62930	ESTs		573.1415
GF202	730888	AA417031	Hs.97592	ESTs		573.1304

APPENDIX A

GF201	40150	R53980	Hs.26028	Hs.26028	ESTs		573.099
GF204	23025	R45256	Hs.113647	Hs.171635	ESTs		573.055
GF202	298903	N75386	Hs.50606	Hs.111867	GLI-Kruppel family member GLI2	GLI2	572.9608 -1.6495473
GF201	272677	N36172	Hs.42244	Hs.42244	Homo sapiens mRNA; cDNA DKFZp564A023 (from clone DKFZp564A023)		572.9561
GF203	290166	N63287	Hs.46751	Hs.46751	ESTs hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome)		572.9438 -1.2541555
GF203	280507	N47312	Hs.82314	Hs.82314	ESTs	HPRT1	572.9086 -2.3841168
GF200	66550	T67022	Hs.13017	Hs.269170	excision repair cross- complementing rodent repair deficiency, complementation group 2 (xeroderma pigmentosum D)		572.8911 -1.225081
GF201	125187	R05503	Hs.77656	Hs.99987	EST	ERCC2	572.8741
GF204	395539	AA757522	Hs.121232	Hs.228724	protein kinase, X-linked	PRKX	572.8563
GF200	310034	W24161	Hs.56336	Hs.147996	JAK binding protein	SSI-1	572.7784 1.01077465
GF200	712668	AA280137	Hs.50640	Hs.50640	KIAA1008 protein	KIAA1008	572.7628 2.87621769
GF200	151896	H03208	Hs.21738	Hs.21738	cysteine-rich protein 1 (intestinal)		572.717 -1.271523
GF203	1323448	AA873604	Hs.17409	Hs.17409		CRIP1	572.7094 -1.2677071
GF203	725364	AA291972	Hs.25251	Hs.183986	poliovirus receptor-related 2 (herpesvirus entry mediator B)	PVRL2	572.696 -1.8665664
GF203	814369	AA458856	Hs.43881	Hs.43881	ESTs		572.529 -1.0665246
GF202	261194	H98215	Hs.107767	Hs.107767	ESTs, Moderately similar to CaM-KII inhibitory protein [R.norvegicus]		572.3656 -1.3460515
GF201	123761	R01415	Hs.100755	Hs.192736	ESTs		572.3253
GF200	296805	N70298	Hs.49829	Hs.49829	ESTs		572.325 -1.5546655
GF202	126721	R07029	Hs.127652	Hs.127652	ESTs		572.2232 -1.2669927
GF203	684879	AA251784	Hs.69089	Hs.69089	galactosidase, alpha Homo sapiens mRNA for KIAA1439 protein, partial cds	GLA	572.139 -1.3610374
GF202	898228	AA598615	Hs.104067	Hs.173933			572.1337 -1.2727259

APPENDIX A

GF201	773539	AA428163	Hs.86896	Hs.86896	KIAA0043	571.9116
GF201	358689	W96473	Hs.83705	Hs.83705	ESTs	571.8571
GF200	40017	R52654	Hs.75380	Hs.697	cytochrome c-1	571.7558
						-1.0611399
GF204	213658	H72118	Hs.122981	Hs.29403	ESTs, Weakly similar to PROBABLE ATP- DEPENDENT RNA HELICASE HRH1 [H.sapiens] nuclear receptor co-repressor 2	571.7123
GF202	566440	AA148862	Hs.121023	Hs.120980	EST	571.7107
GF202	730858	AA416984	Hs.98180	Hs.228653	SCD	571.6534
GF201	810711	AA457700	Hs.108102	Hs.119597		571.5563
GF203	193350	H48073	Hs.128497	Hs.269732		571.5253
GF202	757250	AA426054	Hs.104867	Hs.139415		571.5204
GF203	431944	AA678160	Hs.117106	Hs.117106		571.4652
GF201	51907	H23529	Hs.70274	Hs.243662		571.4194
GF201	415096	W94880	Hs.80960	Hs.172350	HIR (histone cell cycle regulation defective, S. cerevisiae) homolog A chromobox homolog 5 (Drosophila HP1 alpha)	571.3528
GF204	1416070	AA948055	Hs.127800	Hs.89232	CBX5	571.3207
GF203	823811	AA490279	Hs.63382	Hs.63382	ESTs	571.3057
GF203	156283	R73481	Hs.26191	Hs.205227	ESTs	571.2531
GF202	545403	AA078976	Hs.18792	Hs.18792	thioredoxin-like, 32kD	571.2414
GF204	1622469	A1016190	Hs.13970	Hs.13970	ESTs	571.2358
GF200	127970	R09218	Hs.14480	Hs.14480	ESTs	571.059
GF202	1055121	AA621355	Hs.112979	Hs.112979	EST	571.0122
GF202	811849	AA454625	Hs.115659	Hs.115659	ESTs, Weakly similar to transcription factor [H.sapiens] Homo sapiens (clone S164) mRNA, 3' end of cds EGF-like-domain, multiple 5	570.6702
GF204	502515	AA156804	Hs.118679	Hs.180789	EGFL5	570.5795
GF201	343343	W68084	Hs.5599	Hs.5599		570.4556

APPENDIX A

GF203	768060	AA418905	Hs.44344	Hs.44344	Homo sapiens cDNA FLJ20534 fis, clone KAT10950	570.4404	-1.3375762
GF200	52629	H29415	Hs.118414	Hs.184402	calcium/calmodulin-dependent protein kinase I	570.3723	-1.053976
GF200	52629	H29415	Hs.96398	Hs.184402	calcium/calmodulin-dependent protein kinase I	570.3723	-1.053976
GF200	127682	R09585	Hs.20364	Hs.5943	rec spinocerebellar ataxia 7	570.2209	1.30203012
GF202	730408	AA469964	Hs.28099	Hs.108447	(olivopontocerebellar atrophy with retinal degeneration)	570.1294	-1.8929782
GF204	810120	AA464236	Hs.68571	Hs.68571	ESTs, Weakly similar to Lpe5p [S.cerevisiae]	569.9525	
GF201	841615	AA487465	Hs.8231	Hs.204038	alkaline phosphatase, placental (Regan isozyme)	569.5115	
GF200	110578	T90072	Hs.15060	Hs.15060	ESTs	569.4343	1.5366145
GF203	754387	AA436178	Hs.102506	Hs.102506	eukaryotic translation initiation factor 2 alpha kinase 3	569.4147	-1.4565487
GF200	195903	R92227	Hs.75430	Hs.52256	Homo sapiens cDNA FLJ20624 fis, clone KAT04557	569.4131	1.10731425
GF201	809739	AA454719	Hs.17893	Hs.17893	ESTs	569.4077	
GF202	743187	AA401433	Hs.22901	Hs.22901	ESTs, Weakly similar to diphosphoinositol polyphosphate	569.3751	1.26357302
GF203	140107	R65993	Hs.28475	Hs.272620	phosphohydrolase [H.sapiens] pregnancy specific beta-1- glycoprotein 9	569.2689	-2.5264185
GF200	137663	R37975	Hs.25255	Hs.25255	ESTs	569.2251	-1.8546261
GF200	121611	T97590	Hs.91153	Hs.221711	ESTs	569.2017	-2.438716
GF204	211181	H67661	Hs.108288	Hs.108288	ESTs	569.1123	
GF203	814410	AA458912	Hs.105115	Hs.105115	absent in melanoma 2	568.9919	-1.8355281

APPENDIX A

special AT-rich sequence binding protein 1 (binds to nuclear matrix/scaffold- associating DNA's) ESTs		SATB1		568.8864 568.7065
GF201	364510	AA022561	Hs.74592	
GF204	1466942	AA883114	Hs.125433	
RAB4, member RAS oncogene family Homo sapiens cDNA FLJ11081 fis, clone PLACE1005187, weakly similar to APAG PROTEIN		RAB4		568.6306 1.21670185
GF202	758318	AA404248	Hs.16577	
GF201	357373	W93717	Hs.100818	568.5893 568.5612
GF203	826245	AA521482	Hs.95665	568.5178 -1.3220328 -1.1330658
hypothetical protein ESTs, Weakly similar to hypothetical protein [H.sapiens]		KIAA0008 LOC54505		
GF202	272963	N36113	Hs.44789	568.5151 -1.0928209
GF200	788444	AA450037	Hs.22271	568.515 1.14758978
GF200	471196	AA034213	Hs.111577	568.4146 -1.0478317
GF202	784116	AA432058	Hs.109992	568.3245 -1.0266083
GF203	712330	AA404988	Hs.14799	568.2605 -1.255673
GF201	279164	N46321	Hs.46591	568.1489
poly(A) polymerase ESTs, Moderately similar to !!!! ALU SUBFAMILY SP WARNING ENTRY !!!! [H.sapiens]		KIAA0674 PAP		
GF201	810519	AA464543	Hs.13075	568.0562
Homo sapiens cDNA FLJ20419 fis, clone KAT02435 ESTs		RAB9P40		568.0455 567.837 -1.383969
GF201	344555	W73607	Hs.11184	
GF204	1456060	AA862414	Hs.124946	
GF202	731075	AA421292	Hs.98343	567.738
GF201	249606	H84815	Hs.19012	567.671
GF201	282865	N50158	Hs.47037	567.5933
GF202	1049281	AA620755	Hs.112898	567.4888
GF203	753193	AA406353	Hs.73251	567.4584
GF203	395794	AA757852	Hs.121254	567.457 -2.0301702 -2.1829341 -1.1169263

APPENDIX A

GF200	130884	R22274	Hs.31998	Hs.226377	phosphate cytidyltransferase	PCYT2	567.445	1.91507385
GF201	429196	AA005355	Hs.17844	Hs.222882	2, ethanalamine		567.3229	
GF202	211005	H65773	Hs.117835	Hs.117835	ESTs		567.1465	-1.5132036
					complement component			
GF203	826984	AA521362	Hs.73792	Hs.73792	(3d/Epstein Barr virus)	CR2	567.1358	-1.2675242
GF203	290110	N62192	Hs.7141	Hs.7141	receptor 2		566.9136	-1.4290431
					ESTs			
					cofactor required for Sp1			
GF204	1493085	AA876357	Hs.29679	Hs.29679	transcriptional activation,	CRSP3	566.8184	
					subunit 3 (130kD)			
					ESTs, Weakly similar to very			
					long-chain acyl-CoA			
					synthetase homolog 1			
GF203	280784	N50655	Hs.109274	Hs.109274	[H.sapiens]		566.8139	-2.0332502
					ESTs, Weakly similar to !!!!			
					ALU SUBFAMILY J			
					WARNING ENTRY !!!!			
GF204	379814	AA706050	Hs.119949	Hs.119949	[H.sapiens]		566.798	
					tetratricopeptide repeat			
GF201	429047	AA007509	Hs.95030	Hs.118174	domain 3	TTC3	566.5547	
					v-yes-1 Yamaguchi sarcoma			
					viral related oncogene			
GF200	193913	R83836	Hs.80887	Hs.80887	homolog	LYN	566.1412	-1.3012264
GF203	178412	H46962	Hs.101249	Hs.7936	BAI1-associated protein 2	BAIAP2	566.0317	1.17705565
GF200	296797	N74086	Hs.102829	Hs.168887	ESTs		565.9167	1.20414534
					thyroid hormone receptor,			
					alpha (avian erythroblastic			
					leukemia viral (v-erb-a)			
GF200	22074	T66180	RG.16	Hs.724	oncogene homolog)	THRA	565.8671	-1.4685704
GF203	726934	AA398384	Hs.97635	Hs.97635	ESTs		565.6184	-1.2424246
					Homo sapiens mRNA; cDNA			
					DKFZp434K2323 (from clone			
GF204	153520	R48507	Hs.25574	Hs.155912	DKFZp434K2323); partial cds		565.6063	

APPENDIX A

Homo sapiens mRNA for KIAA1150 protein, partial cds									
GF204	1468222	AA884898	Hs.122790	Hs.4779				565.5206	
GF204	25099	R39006	Hs.119046	Hs.119046				565.4961	
GF201	503033	AA148683	Hs.13317	Hs.13809				565.4903	
ESTs, Weakly similar to ATPase II [H.sapiens]									
GF201	194524	R86333	Hs.14988	Hs.14988				565.4266	
GF204	462620	AA704962	Hs.119857	Hs.119857				565.3062	
GF202	417413	W88954	Hs.59127	Hs.203709				565.1811	2.16466066
GF204	814670	AA481049	Hs.105151	Hs.105151				565.0943	
Homo sapiens cDNA FLJ10658 fis, clone NT2RP2006052									
GF202	795820	AA461492	Hs.99545	Hs.99545				565.0684	1.00333502
GF201	503843	AA131694	Hs.15669	Hs.15669				564.9944	
GF201	276871	N39426	Hs.45007	Hs.184043				564.8882	
voltage-dependent anion channel 1									
GF201	486221	AA044059	Hs.2060	Hs.149155		VDAC1		564.8571	
cysteine and glycine-rich protein 2 (LIM domain only, smooth muscle)									
GF200	75254	T59334	Hs.10526	Hs.10526		CSRP2		564.7243	1.01691212
GF203	744905	AA625788	Hs.19641	Hs.111515		DKFZP58611023 protein		564.7183	-1.3062975
GF202	365667	AA026031	Hs.61312	Hs.61312		ESTs		564.6399	-1.3211246
dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferase)									
GF200	154749	R55619	Hs.26433	Hs.26433		DPAGT1		564.5814	1.18830948
GF202	268115	N30131	Hs.93738	Hs.93738		DKFZP434M098 protein		564.4854	-1.124151
GF203	183062	H42874	Hs.8015	Hs.8015		ubiquitin specific protease 21		564.4512	-1.841623



APPENDIX A

Human DNA sequence from clone RP5-1103G7 on chromosome 20p12.2-13. Contains up to five unknown novel genes, the gene for a novel protein kinase domains containing protein similar to phosphoprotein C8FW an the SOX22 gene for SRY (sex-determining region Y)-PXR2b protein synaptonemal complex protein 3									
GF201	234999	H79129	Hs.95173	Hs.28608					564.3043
GF203	281440	N47901	Hs.46780	Hs.46780					564.3036
GF201	33076	R44048	Hs.106339	Hs.171889					564.2979
GF202	838408	AA458814	Hs.48820	Hs.48820					564.244
GF203	148352	H13278	Hs.31198	Hs.111515					564.1896
DKFZP58611023 protein									
									DKFZP58611023
heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1 ESTs thymosin, beta 4, X chromosome polymerase (RNA) II (DNA directed) polypeptide B (140kD) ESTs EST									
GF202	284542	N59438	Hs.48384	Hs.48384					564.0757
GF202	627055	AA190998	Hs.9850	Hs.9850					563.8235
GF202	565733	AA135813	Hs.128772	Hs.75968					563.8104
Homo sapiens mRNA; cDNA DKFZp434B0616 (from clone DKFZp434B0616); partial cds									
GF202	295551	N74956	Hs.112211	Hs.148027					563.7707
GF202	299498	N74958	Hs.50569	Hs.169755					563.665
GF200	108763	T77785	Hs.14151	Hs.14151					563.4757
GF200	123815	R01451	Hs.19190	Hs.40193					563.2144
v-myc avian myelocytomatosis viral oncogene homolog 1, lung carcinoma derived thyroid hormone receptor-associated protein, 150 kDa subunit									
GF200	187616	R83758	RQ.11	Hs.92137					563.1263
GF201	430179	AA010192	Hs.108319	Hs.108319					563.1078

Westbrook et al.

APPENDIX A

GF202	127586	R09166	Hs.112203	Hs.191148	ESTs	563.031	-1.6119177
GF203	726596	AA398141	Hs.7947	Hs.93379	eukaryotic translation initiation factor 4B	562.9599	1.15860915
GF202	730622	AA411876	Hs.106329	Hs.28505	ubiquitin-conjugating enzyme E2H (homologous to yeast UBC8)	562.9066	-1.210288
GF200	826166	AA521422	Hs.82508	Hs.82508	Human (clone CTG-B43a) mRNA sequence	562.7224	1.01215318
GF204	32567	R43511	Hs.22991	Hs.34853	inhibitor of DNA binding 4, dominant negative helix-loop-helix protein	562.6388	
GF203	293759	N63894	Hs.118142	Hs.118142	ESTs	562.5772	-1.1881065
GF201	46108	H09325	Hs.14664	Hs.269165	ESTs	562.5303	
GF200	122982	R00332	Hs.18878	Hs.18878	ESTs, Highly similar to growth factor-responsive protein, vascular smooth muscle [R.norvegicus]	562.4915	1.28112176
GF203	175759	H41572	Hs.31581	Hs.31581	ESTs, Moderately similar to SYNTAXIN 1B [H.sapiens]	562.4708	-2.6303641
GF201	244951	N54551	Hs.75180	Hs.75180	protein phosphatase 5, catalytic subunit	562.4349	
GF203	825197	AA504116	Hs.82501	Hs.82501	similar to mouse Xrn1 / Dhm2 protein	562.4265	-1.3904271
GF202	51462	H21070	Hs.101762	Hs.101762	ESTs	562.3392	1.10248396
GF201	273517	N36923	Hs.44833	Hs.44833	ESTs	562.1865	
GF203	434778	AA701864	Hs.111798	Hs.111798	ESTs	562.1344	-1.298591
GF202	28106	R40780	Hs.21294	Hs.226171	ESTs	561.8583	-1.4193839
GF202	795797	AA459862	Hs.99504	Hs.99504	ESTs	561.7889	-1.4543963
GF204	1048789	AA621332	Hs.131047	Hs.269784	ESTs	561.6293	
GF201	283932	N52615	Hs.47522	Hs.47522	ESTs	561.5385	-1.6094125
GF202	31893	R43114	Hs.11522	Hs.11522	ESTs	561.4423	1.01965797
GF200	131362	R22977	Hs.919	Hs.170328	moesin	561.4352	-1.6184472
GF202	282019	N48197	Hs.46835	Hs.46835	EST	561.4127	-1.8889089
GF203	267427	N22978	Hs.4973	Hs.4973	hypothetical protein	561.3338	
GF200	83231	T68351	Hs.1360	Hs.1360	cytochrome P450, subfamily 11B (phenobarbital-inducible)	561.2617	1.10422126

Westbrook et al.

APPENDIX A

GF200	244652	N52911	RG.19	Hs.145279	SET translocation (myeloid leukemia-associated) ESTs	SET	561.1725	1.1952379
GF204	462692	AA705124	Hs.119557	Hs.222404	macrophage stimulating 1 receptor (c-met-related tyrosine kinase) ESTs		561.1074	
GF200	612616	AA173453	Hs.2942	Hs.2942	delta sleep inducing peptide, immunoreactor	MST1R	561.0594	-2.1957783
GF202	276969	N39237	Hs.44977	Hs.44977	polymerase (RNA) II (DNA directed) polypeptide F ESTs, Weakly similar to KIAA0062 [H.sapiens] ESTs	DSIP1	560.9927	-1.4012038
GF203	868575	AA775091	Hs.75450	Hs.75450	MAX-interacting protein 1 YDD19 protein	POLR2F	560.9374	-1.430333
GF200	767817	AA418689	Hs.46405	Hs.46405	ESTs, Weakly similar to KIAA0062 [H.sapiens] ESTs		560.879	-1.5841782
GF203	700967	AA287828	Hs.41068	Hs.41068	GLUCOSE TRANSPORTER TYPE 5, SMALL INTESTINE [H.sapiens]		560.6675	-1.0169518
GF202	23800	R38381	Hs.12535	Hs.12535	Homo sapiens mRNA for KIAA1376 protein, partial cds	MX11	560.6597	-1.4526073
GF203	435219	AA705886	Hs.118630	Hs.118630	ESTs	YDD19	560.6353	-1.080654
GF200	137139	R36006	Hs.64065	Hs.25615	ESTs, Weakly similar to GLUCOSE TRANSPORTER TYPE 5, SMALL INTESTINE [H.sapiens]		560.6245	-1.0965441
GF204	1492249	AA875959	Hs.9475	Hs.9475	Homo sapiens cDNA FLJ20655 fis, clone KAT01590		560.4895	
GF203	360403	AA015658	Hs.29871	Hs.24684	hexokinase 1 ESTs	HK1	560.232	-1.5977957
GF200	296199	W02639	Hs.50494	Hs.269148	Homo sapiens mRNA; cDNA DKFZp434F1928 (from clone DKFZp434F1928)		560.0621	1.6534409
GF200	144042	R77125	Hs.11668	Hs.239720	hypothetical protein elastase 3B		559.9822	1.33294439
GF200	840158	AA485272	Hs.118625	Hs.118625	solute carrier family 26 (sulfate transporter), member 2		559.866	-1.6041495
GF203	44361	H05826	Hs.56974	Hs.56974			559.8082	-2.232135
GF201	488624	AA045804	Hs.47159	Hs.47159				
GF202	590120	AA156022	Hs.111518	Hs.111518		FLJ20798	559.5544	1.11431413
GF200	328802	W40123	Hs.74463	Hs.183864		ELA3B	559.4562	-1.4209389
GF201	291985	N73101	Hs.29981	Hs.29981		SLC26A2	559.4481	

Westbrook et al.

APPENDIX A

GF201	323989	W46439	Hs.82894	Hs.82894	ESTs	559.2662	
GF203	197648	R94495	Hs.35167	Hs.237306	ESTs	558.9238	1.02039461
GF201	454672	AA677185	Hs.75893	Hs.75893	ankyrin 3, node of Ranvier (ankyrin G)	558.8643	ANK3
GF204	845692	AA773325	Hs.121668	Hs.121668	ESTs	558.8028	
GF200	247818	N73031	Hs.12544	Hs.239666	ESTs	558.7785	-1.3332015
GF204	462354	AA705525	Hs.14366	Hs.14366	ESTs	558.7598	
GF203	271748	N31587	Hs.55458	Hs.241567	RNA binding motif, single stranded interacting protein 1	558.7081	RBMS1
GF203	811976	AA456646	Hs.28661	Hs.28661	Homo sapiens cDNA		
GF201	770983	AA427401	Hs.17118	Hs.17118	FLJ10071 fis, clone	558.6837	-1.3608587
GF203	666156	AA233565	Hs.87165	Hs.87165	HEMBA1001702	558.6327	
GF202	753162	AA400457	Hs.16909	Hs.173802	ESTs, Weakly similar to B0025.2 [C.elegans]	558.6169	-1.1213112
GF202	767641	AA418293	Hs.31975	Hs.179779	ESTs	558.6026	-1.440512
GF203	432479	AA699494	Hs.21148	Hs.21148	KIAA0603 gene product	558.5128	-1.177224
GF200	784360	AA447196	Hs.12451	Hs.12451	ribosomal protein L37		
GF204	148022	H13205	Hs.121513	Hs.121513	Homo sapiens cDNA	558.3712	-1.0063028
GF203	364133	AA021209	Hs.122983	Hs.145088	FLJ11114 fis, clone	558.3457	1.15070331
GF203	878770	AA670394	Hs.18471	Hs.18471	PLACE1005951	558.2792	
GF204	47527	H16239	Hs.17519	Hs.17519	echinoderm microtubule-associated protein-like		EMAPL
GF203	773284	AA425298	Hs.16593	Hs.198281	ESTs		
GF203	754517	AA436227	Hs.29413	Hs.181390	ESTs, Weakly similar to Similar to cuticular collagen [C.elegans]	558.2354	1.14215302
GF201	362483	AA018591	Hs.107164	Hs.107164	ESTs, Weakly similar to tumorous imaginal discs		
GF203	42811	R60040	Hs.21883	Hs.171496	protein Tid56 homolog [H.sapiens]	558.1695	-1.021347
GF203	754517	AA436227	Hs.29413	Hs.181390	ESTs	558.078	-2.0386535
GF201	362483	AA018591	Hs.107164	Hs.107164	pyruvate kinase, muscle	557.9548	-2.8483291
GF203	42811	R60040	Hs.21883	Hs.171496	casein kinase 1, gamma 2	557.8646	
GF201	362483	AA018591	Hs.107164	Hs.107164	spectrin, beta, non-erythrocytic	557.8183	
GF203	42811	R60040	Hs.21883	Hs.171496	1	557.8174	-1.1881364
GF203	42811	R60040	Hs.21883	Hs.171496	ESTs		

APPENDIX A

GF203	281605	N51614	Hs.100217	Hs.100217	chromosome 17 open reading frame 1B	C17ORF1B	557.7869	-1.4354692
GF200	204755	H56944	Hs.80510	Hs.184571	splicing factor, arginine/serine-rich 11	SFRS11	557.5574	1.00036216
GF200	123579	R00833	Hs.37775	Hs.167584	solute carrier family 2 (facilitated glucose transporter), member 2	SLC2A2	557.4808	2.09102989
GF201	141495	R73584	Hs.94581	Hs.94581	sulfotransferase family 2B, member 1	SULT2B1	557.4366	
GF202	278236	N63564	Hs.48823	Hs.48823	ESTs		557.4351	-1.2025005
GF202	781447	AA428659	Hs.98610	Hs.98610	ESTs		557.4306	-1.4715321
GF204	743961	AA634552	Hs.116854	Hs.116854	EST		557.3737	
GF203	786265	AA451844	Hs.5444	Hs.198793	KIAA0750 gene product	KIAA0750	557.3243	-1.8711569
GF204	431785	AA678014	Hs.118166	Hs.118166	ESTs		557.2426	
GF201	136024	R34224	Hs.91502	Hs.108785	ESTs		557.162	
GF202	345330	W72556	Hs.58116	Hs.58116	homeo box A2	HOXA2	557.0147	-2.028274
GF201	488579	AA047291	Hs.61448	Hs.165216	ESTs		556.891	
GF200	589751	AA148230	Hs.90753	Hs.90753	Tat-interacting protein (30kD)	TIP30	556.8425	1.10935021
GF203	700503	AA291137	Hs.40346	Hs.183299	ESTs		556.7408	1.36774061
GF203	666292	AA262351	Hs.107125	Hs.107125	ESTs, Weakly similar to HPBR11-7 protein [H.sapiens]		556.6613	-2.5209696
GF200	191664	H38240	Hs.108623	Hs.108623	thrombospondin 2	THBS2	556.5474	-1.3878806
GF201	809466	AA443094	Hs.30928	Hs.30928	DNA segment on chromosome 19 (unique) 1177 expressed sequence	D19S1177E	556.4222	
GF201	257978	N30757	Hs.24236	Hs.24236	ESTs, Weakly similar to EOSINOPHIL		556.3622	
GF202	429447	AA007626	Hs.60243	Hs.60243	LYSOPHOSPHOLIPASE [H.sapiens]		556.2855	-1.6227752
GF200	294483	W01534	Hs.22057	Hs.22057	ESTs		556.0967	1.34418835
GF200	80708	T57841	Hs.10298	Hs.181369	ubiquitin fusion degradation 1-like	UFD1L	555.9011	1.17853285
GF202	129606	R16545	Hs.111037	Hs.70333	hypothetical protein	LOC51322	555.8392	-1.7780159
GF201	811024	AA485371	Hs.118110	Hs.118110	bone marrow stromal cell antigen 2	BST2	555.8059	

Westbrook et al.

APPENDIX A

GF204	460646	AA700471	Hs.61638	myosin X	MYO10	555.7484
GF201	470261	AA028921	Hs.251397	SMA3	SMA3	555.6262
GF203	395400	AA757401	Hs.84153	dynamitin (dynactin complex 50 kD subunit)	DCTN-50	555.522 -1.5833586
GF202	950707	AA608582	Hs.7120	cytokine receptor-like molecule 9	CREME9	555.3821 -1.1880405
GF200	134712	R28280	Hs.14846	Homo sapiens mRNA; cDNA DKFZp564D016 (from clone DKFZp564D016)		555.3146 -1.1258139
GF201	503926	AA130117	Hs.48348	ESTs		555.3004
GF201	502772	AA137196	Hs.46988	ESTs		555.2062
GF200	484535	AA036974	Hs.79304	amine oxidase, copper containing 3 (vascular adhesion protein 1)	AOC3	555.1329 -1.1605063
GF201	283124	N45224	Hs.17567	ESTs		555.0599
GF203	450859	AA682623	Hs.117274	ESTs		555.0018 1.13459655
GF201	143450	R74478	Hs.107205	Homo sapiens mRNA; cDNA DKFZp434L2221 (from clone DKFZp434L2221)		554.9247
GF202	135897	R33614	Hs.117461	ESTs		554.8213
GF201	295412	N70362	Hs.100669	RAD51 (S. cerevisiae)-like 1	RAD51L1	554.7659 -1.5675104
GF201	810326	AA464142	Hs.17767	Homo sapiens mRNA; cDNA DKFZp761N07121 (from clone DKFZp761N07121)		554.6453
GF201	121285	T96625	Hs.194104	ESTs, Weakly similar to intrinsic factor-B12 receptor precursor [H.sapiens]		554.4833
GF202	136534	R34584	Hs.110355	hypothetical protein	LOC51322	554.3664 -1.0293096
GF203	176371	H40871	Hs.117705	ESTs		554.3083 -1.5580153
GF202	842839	AA486284	Hs.108354	fusion, derived from t(12;16) malignant liposarcoma	FUS	554.2829 1.59125983
GF202	898147	AA598505	Hs.10710	Homo sapiens cDNA FLJ20417 fis, clone KAT02301		554.2411 1.24953256
GF201	52294	H24359	Hs.28733	ESTs		554.1223
GF201	245277	N53447	Hs.107683	integral membrane protein 2A	ITM2A	554.1151

Westbrook et al.

## APPENDIX A

GF204	824821	AA488851	Hs.34892	Hs.34892	Homo sapiens mRNA for KIAA1323 protein, partial cds	554.0608
GF202	754452	AA410289	Hs.87169	Hs.194079	ESTs	554.0289
						-1.1880268
GF200	119914	T94293	Hs.110613	Hs.193681	ESTs, Highly similar to CALCIUM-DEPENDENT GROUP X PHOSPHOLIPASE A2 PRECURSOR [H.sapiens]	553.9843
						-1.2554181
GF200	119914	T94293	Hs.104069	Hs.193681	ESTs, Highly similar to CALCIUM-DEPENDENT GROUP X PHOSPHOLIPASE A2 PRECURSOR [H.sapiens]	553.9843
GF202	504211	AA130235	Hs.110516	Hs.147946	KIAA0567 protein	553.6992
GF202	285415	N66380	Hs.49185	Hs.269121	ESTs	553.575
GF201	289616	N62840	Hs.48648	Hs.48648	ESTs	553.5645
					ESTs, Weakly similar to SPLICING FACTOR, ARGININE/SERINE-RICH 7 [H.sapiens]	-1.2554181
GF203	590390	AA157011	Hs.43847	Hs.43847	ESTs	-1.1478715
GF203	752643	AA417558	Hs.25206	Hs.25206	ESTs	1.08076081
GF203	755459	AA423823	Hs.126063	Hs.126063	ESTs	-1.6261474
					ESTs, Weakly similar to neuron-restrictive silencer factor, form 2 [H.sapiens]	-1.0449077
GF200	112158	T85009	Hs.70589	Hs.70589	ESTs	553.4961
GF204	1504099	AA904796	Hs.130754	Hs.186918	EST	553.4182
GF204	292056	N73295	Hs.118182	Hs.225614	EST	553.354
GF202	838230	AA458674	Hs.99478	Hs.99478	EST	553.338
GF202	376163	AA040598	Hs.62005	Hs.62005	ESTs	552.9312
					eukaryotic translation initiation factor 4B	1.43543414
GF202	513200	AA063398	Hs.5188	Hs.93379	Homo sapiens mRNA; cDNA DKFZp761P1423 (from clone DKFZp761P1423)	552.9227
					ESTs	552.9058
GF201	129320	R12679	Hs.108401	Hs.15420		-1.1315778
GF202	357236	W93638	Hs.79953	Hs.79953		552.8373

## APPENDIX A

GF203	713271	AA283023	Hs.111460	Hs.111460	ESTs, Highly similar to multifunctional calcium/calmodulin-dependent protein kinase II delta2 isoform [H.sapiens]	552.7119	1.27437715
GF201	291880	N67487	Hs.83551	Hs.83551	microfibrillar-associated protein 2	552.6462	
GF204	51946	H24312	Hs.106715	Hs.77608	splicing factor, arginine/serine-rich 9	552.636	
GF201	781075	AA446486	Hs.104583	Hs.179825	RAN binding protein 2-like 1	552.5951	
GF200	813711	AA453859	Hs.78989	Hs.78989	alcohol dehydrogenase 5	552.461	1.6391145
GF201	261443	H98988	Hs.42612	Hs.42612	(class III), chi polypeptide ESTs	552.3038	
GF200	795965	AA460480	Hs.80691	Hs.80691	creatine kinase, mitochondrial 2 (sarcomeric)	552.0298	1.06745775
GF202	299603	N74889	Hs.94309	Hs.94309	ESTs	552.0156	-1.7114599
GF202	505235	AA142875	Hs.71719	Hs.71719	ESTs	551.9418	-1.8625511
GF201	435858	AA701545	Hs.23262	Hs.23262	ribonuclease, RNase A family, k6	551.9002	
GF202	510794	AA09873	Hs.103685	Hs.103685	ESTs	551.847	-1.5877226
GF203	265668	N25344	Hs.21861	Hs.21861	ESTs	551.6833	-1.1765334
GF200	26711	R13925	Hs.53247	Hs.240770	nuclear cap binding protein subunit 2, 20kD	551.6605	1.48989858
GF202	51503	H19423	Hs.101745	Hs.101745	KIAA0848 protein	551.5967	-2.7221129
GF200	261494	H98620	Hs.26411	Hs.26411	ESTs	551.4877	1.00693357
GF203	47963	H11642	Hs.23116	Hs.128677	ESTs, Weakly similar to CGI-89 protein [H.sapiens]	551.3423	-1.8132248
GF202	238461	H65410	Hs.39056	Hs.39056	ESTs	551.3054	-1.0430164
GF202	772891	AA479900	Hs.55299	Hs.55299	ESTs	551.2847	-1.1778145
GF201	41208	R56774	Hs.1274	Hs.1274	bone morphogenetic protein 1	551.2751	
GF200	46897	H09914	Hs.30954	Hs.30954	phosphomevalonate kinase	551.1633	-1.1481146
GF201	40303	R52961	Hs.101129	Hs.81972	SHC (Src homology 2 domain-containing) transforming protein 1	551.1273	



APPENDIX A

GF202	627428	AA190313	Hs.15441	Hs.15441	Homo sapiens mRNA for KIAA1426 protein, partial cds	550.9535	-1.2650893
GF200	142927	R71120	Hs.103000	Hs.103000	KIAA0831 protein	550.895	-1.0330269
GF200	49518	H15707	Hs.117642	Hs.4147	translocating chain-associating membrane protein	550.6026	-1.1474998
GF202	212456	H69538	Hs.118117	Hs.118117	ESTs	550.5881	-1.8965057
GF204	448422	AA777546	Hs.122622	Hs.187486	ESTs	550.4799	
					dystrophin (muscular dystrophy, Duchenne and Becker types), includes DXS142, DXS164, DXS206, DXS230, DXS239, DXS268, DXS269, DXS270, DXS272		
GF201	796197	AA461118	Hs.79012	Hs.169470	KIAA0323 protein	550.4725	1.40562236
GF200	240505	H90765	Hs.7911	Hs.7911	ESTs	550.4531	-1.1573197
GF203	682088	AA256482	Hs.23912	Hs.23912	chemokine (C-C motif) receptor 1	550.4416	
GF201	472008	AA036881	Hs.516	Hs.516	ESTs	550.4313	
GF204	1461321	AA883400	Hs.125457	Hs.125457	ataxia telangiectasia mutated (includes complementation groups A, C and D)	550.4291	
GF201	360778	AA016254	Hs.51187	Hs.194382	ESTs, Weakly similar to R31180_1 [H.sapiens]	550.2198	
GF201	430068	AA009830	Hs.83756	Hs.183332	ESTs, Weakly similar to ORF YOL124c [S.cerevisiae]	550.1982	
GF202	787893	AA452171	Hs.3983	Hs.3983	hypothetical protein	550.1434	-2.3262642
GF203	767171	AA424570	Hs.106736	Hs.80618	dihydropyrimidinase-like 2	550.1428	-1.7451371
GF202	841302	AA487213	Hs.23461	Hs.173381	calcium modulating ligand	550.1142	-1.4031465
GF203	826089	AA521411	Hs.13572	Hs.13572	MAD (mothers against decapentaplegic, Drosophila)	550.0031	-1.3540395
GF201	429356	AA007518	Hs.106305	Hs.153863	homolog 6	549.9704	1.38165772
GF202	251212	H97514	Hs.42388	Hs.42388	ESTs	549.8682	-2.4156842
GF202	841645	AA487488	Hs.84359	Hs.278562	claudin 7	549.832	
					detodrinase, iodothyronine, type II	549.7413	
GF204	1470657	AA864322	Hs.65868	Hs.154424	DIO2		

## APPENDIX A

GF202	731080	AA421479	Hs.98350	Hs.98350	ESTs	549.7325	-1.3251284
GF203	42659	R61845	Hs.106294	Hs.106294	ESTs	549.6757	-1.4232878
					ubiquitin-conjugating enzyme		
					E2G 1 (homologous to C.		
					elegans UBC7)	549.5803	
GF201	531957	AA113881	Hs.78563	Hs.78563	UBE2G1	549.5629	1.08665266
GF200	841620	AA487674	Hs.75397	Hs.173381	DPYSL2	549.462	2.01364905
GF200	125709	R07606	Hs.77728	Hs.219652	ESTs	549.4471	1.44977497
GF202	428560	AA005401	Hs.10453	Hs.10453	ESTs	549.3341	
GF201	298065	N70740	Hs.38936	Hs.38936	ESTs	549.0747	
GF204	34033	R44732	Hs.20880	Hs.20880	ESTs	549.0398	
GF204	436354	AA776451	Hs.122669	Hs.192900	ESTs	548.9947	-1.4296821
GF203	767489	AA418033	Hs.45204	Hs.25615	YDD19 protein		
					thiosulfate sulfurtransferase		
					(rhodanese)		
GF200	784126	AA446748	Hs.19362	Hs.248267	TST	548.9718	1.15061604
					procollagen-lysine, 2-		
					oxoglutarate 5-dioxygenase		
					(lysine hydroxylase, Ehlers-		
					Danlos syndrome type VI)		
GF200	771323	AA476240	Hs.75093	Hs.75093	PLOD	548.9656	1.11551631
GF202	345233	W72875	Hs.58251	Hs.58251	ESTs	548.8058	-2.0534207
GF201	51842	H24308	Hs.13485	Hs.13485	ESTs	548.7848	
GF201	782841	AA448280	Hs.4852	Hs.247423	adducin 2 (beta)	548.4951	
GF200	753446	AA410454	Hs.7720	Hs.111515	DKFZP58611023 protein	548.3914	-1.0316208
GF201	33616	R43900	Hs.109001	Hs.7840	calcineurin binding protein 1	548.3156	
					Homo sapiens mRNA; cDNA		
					DKFZp434O119 (from clone		
					DKFZp434O119)		
GF201	46383	H09601	Hs.22051	Hs.22051	adaptor-related protein	548.0696	
					complex 4, mu 1 subunit		
GF200	48136	H12006	Hs.78865	Hs.194703	MU-ARP2	548.0313	-1.0198146
					pleckstrin homology, Sec7 and		
GF201	33293	R43956	Hs.7189	Hs.7189	PSCD4	547.537	
					coiled/coil domains 4		
					Homo sapiens mRNA; cDNA		
					DKFZp564B076 (from clone		
GF201	810727	AA457718	Hs.21103	Hs.21103	DKFZp564B076)	547.469	
GF204	853265	AA663527	Hs.116910	Hs.116910	ESTs	547.4166	
GF200	256664	H95424	Hs.2711	Hs.147097	H2A histone family, member X H2AFX	547.4105	-1.8457886

APPENDIX A

GF204	454192	AA677084	Hs.129692	Hs.129692	ESTs	547.1216	
GF202	299723	N75055	Hs.14632	Hs.14632	ESTs, Weakly similar to cDNA EST EMBL:D72567 comes from this gene [C.elegans] ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!!	546.8732	-1.4792012
GF204	703546	AA278850	Hs.28891	Hs.28891	[H.sapiens]	546.801	
GF204	1504628	AA897696	Hs.118271	Hs.26471	Wnt inhibitory factor-1	546.7125	
GF204	462856	AA705319	Hs.119889	Hs.119889	ESTs	546.5757	
GF201	427767	AA002207	Hs.17385	Hs.17385	ESTs	546.5169	
GF203	38537	R51015	Hs.101103	Hs.169969	ESTs	546.4916	-1.8913197
GF200	239711	H79650	Hs.93372	Hs.275198	ESTs	546.4656	-1.2269807
GF203	724960	AA291494	Hs.119616	Hs.270845	kinesin-like 5 (mitotic kinesin- like protein 1)	546.4095	-1.0987056
GF203	786511	AA452107	Hs.99263	Hs.99263	ESTs	546.3896	-1.8162765
GF202	137626	R39594	Hs.109559	Hs.249194	myeloid/lymphoid or mixed- lineage leukemia (trithorax (Drosophila) homolog); translocated to, 6 ESTs, Weakly similar to !!!! ALU SUBFAMILY SX WARNING ENTRY !!!!	546.3557	-2.5329497
GF202	284050	N53395	Hs.47637	Hs.47637	[H.sapiens] Segregation of mitotic chromosomes 1 (SMC1, yeast human homolog of; ESTs	546.3035	1.10654213
GF200	897997	AA598887	Hs.77666	Hs.211602	DXS423E	546.0435	-1.6770064
GF201	276848	N39408	Hs.45001	Hs.215555	PRKCQ	545.897	
GF201	205239	H60824	Hs.89615	Hs.211593	protein kinase C, theta	545.8619	
GF201	342712	W68542	Hs.107918	Hs.62515	KIAA0494 gene product	545.8231	
GF203	726588	AA398138	Hs.89278	Hs.89278	ESTs, Highly similar to p243	545.535	-1.3625008
GF200	120773	T95342	Hs.17569	Hs.17569	[H.sapiens] ESTs	545.4927	1.4448094
GF201	811023	AA485380	Hs.32261	Hs.55823	SMC (mouse) homolog, X chromosome	545.4769	

Westbrook et al.

APPENDIX A

GF202	277340	N34415	Hs.44583	ESTs		545.428	1.46826382
GF202	43733	H04789	Hs.58589	glycogenin 2	GYG2	545.418	1.02082516
GF203	282977	N45141	Hs.2352	adenylate cyclase 2 (brain)	ADCY2	545.3521	-1.2529805
GF200	788486	AA452730	Hs.40100	aprase, lysosomal	LAP70	545.276	-1.0733473
GF203	29967	R42536	Hs.30098	ESTs		545.2517	1.14668343
GF204	1467737	AA883090	Hs.125430	EST		544.9148	
GF200	771173	AA443497	Hs.81281	hypothetical protein	LOC54460	544.908	1.63088246
GF203	726826	AA398307	Hs.97324	EST		544.8951	-1.6921738
GF201	50562	H16793	Hs.31446	ESTs		544.8428	
				spectrin, beta, non-erythrocytic			
GF204	261246	H98241	Hs.114324	1	SPTBN1	544.6514	
GF202	208499	H63111	Hs.108251	ESTs		544.6057	-1.9376835
GF202	743071	AA405984	Hs.98013	EST		544.5544	-1.0578267
GF203	450710	AA704448	Hs.26179	KIAA0433 protein	KIAA0433	544.554	-1.5150539
GF204	1626201	AI005323	Hs.30323	ESTs		544.5163	
GF201	376643	AA046112	Hs.42572	ESTs		544.4152	
GF202	742890	AA406220	Hs.97702	ESTs		544.4042	-1.1577867
GF200	128905	R10682	Hs.20654	ESTs		544.3822	-1.0990737
GF202	273501	N33264	Hs.44463	EST		544.3575	1.50519386
				putative dimethyladenosine			
GF203	134363	R31197	Hs.125819	transferase	HSA9761	544.2939	-1.0562356
GF203	274097	H49873	Hs.59215	ESTs		544.2571	-1.326613
GF202	239951	H79861	Hs.102244	ESTs		544.1801	-1.2659267
GF201	50565	H16795	Hs.31447	ESTs		544.1678	
GF203	128861	R10099	Hs.131942	ESTs		544.0234	-1.642605
GF202	29237	R41376	Hs.20896	ESTs		543.8217	1.15126958
GF201	39813	R53928	Hs.26012	ESTs		543.762	
GF202	418198	W90358	Hs.59319	ESTs		543.7516	1.17156397
				Homo sapiens cDNA			
GF203	292936	N63744	Hs.48855	FLJ10468 fis, clone		543.6596	-1.939622
GF203	28298	R40434	Hs.106554	NT2RP2000007		543.6138	-1.4187065
				ESTs			
GF203	277173	N34316	Hs.4955	laminin receptor 1 (67kD,			
GF204	201151	R98482	Hs.113977	ribosomal protein SA)	LAMR1	543.5638	-1.4498318
GF200	201890	H48706	Hs.91288	ESTs		543.5256	
				apoptosis inhibitor 2	API2	543.3954	-1.0548728

## APPENDIX A

GF204	452091	AA707148	Hs.14555	Hs.14555	ESTs	543.3284
GF200	77391	T55353	Hs.2206	Hs.200526	TNF receptor-associated factor 2	543.259
GF200	511814	AA088564	Hs.74551	Hs.20082	Homo sapiens cDNA	1.61016678
GF201	284101	N53427	Hs.16545	Hs.20924	FLJ20216 fis, clone COLF3242	543.1769
					ESTs	543.1287
					protein kinase, cAMP-dependent, regulatory, type II, alpha	
GF204	855616	AA664240	Hs.51759	Hs.8454	PRKAR2A	542.9534
GF202	566255	AA137096	Hs.110937	Hs.269272	ESTs	542.9113
GF202	950603	AA608546	Hs.21906	Hs.21906	ESTs	-1.0109521
GF201	258606	N32201	Hs.94070	Hs.94070	osteomodulin	1.53963144
					Homo sapiens cDNA	542.8569
					FLJ11164 fis, clone	
					PLACE1007226, weakly similar to PROBABLE	
					OXYGEN-INDEPENDENT	
					COPROPORPHYRINOGEN III	
GF202	594627	AA171610	Hs.8033	Hs.8033	OXIDASE (EC 1.-.-.-)	542.6369
GF200	144905	R78597	Hs.29494	Hs.29494	SEC10 (S. cerevisiae)-like 1	542.5919
					thyroid hormone receptor	
GF202	34364	R44210	Hs.91440	Hs.5464	coactivating protein	542.4716
					ESTs, Weakly similar to dal2, len:343, CAI: 0.17,	-1.3165636
					ALC_YEAST P25335	
					ALLANTOICASE	
					[S.cerevisiae]	
GF202	730366	AA469952	Hs.97899	Hs.97899	ESTs	542.4623
GF202	290329	N64491	Hs.48990	Hs.48990	ESTs	-2.3289738
GF201	234444	H95348	Hs.35684	Hs.125942	ESTs	1.10904858
GF201	47400	H10413	Hs.21890	Hs.268774	ESTs	542.2791
GF203	204790	H57105	Hs.24248	Hs.95549	hypothetical protein	542.2711
GF203	395609	AA757588	Hs.107504	Hs.193574	ESTs	542.2091
GF200	241350	H91257	Hs.41391	Hs.41391	EST	542.1735
					FLJ20273	-1.3760734
						-1.5776835

## APPENDIX A

GF201	566474	AA151930	Hs.91537	Hs.90744	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11 ESTs	PSMD11	542.0302 541.8108
GF201	126681	R06918	Hs.19862	Hs.190339			
GF204	1636756	A1017854	Hs.24054	Hs.24054	ESTs, Weakly similar to cDNA EST yk448c11.3 comes from this gene [C.elegans] cyclin-dependent kinase 7 (homolog of Xenopus MO15 cdk-activating kinase) sex comb on midleg (Drosophila)-like 2	CDK7	541.6856
GF201	130242	R22625	Hs.83088	Hs.184298			541.6053
GF204	294913	N71462	Hs.70256	Hs.171558	ESTs, Weakly similar to predicted using Genefinder [C.elegans]	SCML2	541.4456
GF204	759144	AA496007	Hs.7282	Hs.106534	ESTs, Weakly similar to predicted using Genefinder [C.elegans]		541.4066
GF202	812169	AA456042	Hs.7807	Hs.7807	ESTs, Weakly similar to predicted using Genefinder [C.elegans]		541.3873
GF200	365098	AA025195	Hs.3990	Hs.132955	BCL2/adenovirus E1B 19kD-interacting protein 3-like	BNIP3L	-1.5826656 1.17630153
					ESTs, Weakly similar to Chain A, Coagulation Factor Xa-Trypsin Chimera Inhibited With D-Phe-Pro-Arg-Chloromethylketone [H.sapiens]		
GF202	781441	AA428657	Hs.98609	Hs.98609	ESTs		541.2072
GF202	276468	N39063	Hs.44930	Hs.44930	ESTs		541.1964
GF203	211387	H66675	Hs.52022	Hs.174006	ESTs		541.1495
					Homo sapiens clone 24774 unknown mRNA, partial cds		
GF201	242840	H94063	Hs.108718	Hs.44235	ESTs		541.1294
GF203	191530	H37809	Hs.125720	Hs.125720	diacylglycerol O-acyltransferase (mouse) homolog	DGAT	540.9175 -1.0312729
GF201	795401	AA453512	Hs.14553	Hs.225935			540.8622

APPENDIX A

GF204	453322	AA778900	Hs.35433	Hs.35433	ESTs, Weakly similar to CATHEPSIN B PRECURSOR [H.sapiens]	540.8088	
GF201	49810	H15288	Hs.21420	Hs.21420	ESTs, Weakly similar to serine/threonine kinase	540.4824	
GF201	46183	H09616	Hs.12764	Hs.12764	[H.sapiens] ESTs	540.4783	
GF203	755846	AA496582	Hs.6294	Hs.6294	Homo sapiens cDNA FLJ20504 fis, clone	540.3367	-1.3707489
GF201	416408	W86870	Hs.79856	Hs.79856	KAT09455, highly similar to SYV_FUGRU VALYL-TRNA	540.3133	1.73080998
GF200	199709	R96694	Hs.35597	Hs.187622	SYNTHETASE ESTs	540.2912	
GF203	753153	AA478570	Hs.21516	Hs.250911	ESTs interleukin 13 receptor, alpha 1 IL13RA1	540.2092	-2.9440817
GF200	786213	AA448711	Hs.81886	Hs.81886	AU RNA-binding protein/enoyl- Coenzyme A hydratase AUH	540.1572	-1.0220692
GF203	453689	AA776294	Hs.78920	Hs.78920	Rab geranylgeranyltransferase, alpha subunit RABGGTA	540.1495	-1.3717293
GF201	415766	W84751	Hs.35216	Hs.170162	Homo sapiens mRNA for KIAA1357 protein, partial cds	540.0424	
GF203	43642	H04810	Hs.92399	Hs.8768	Homo sapiens cDNA FLJ10849 fis, clone	539.8942	-1.6974471
GF203	41997	R59581	Hs.23069	Hs.171487	NT2RP4001414, highly similar to SEPTIN 2 HOMOLOG	539.8726	-2.1979405
GF204	51851	H24333	Hs.6529	Hs.6529	ESTs	539.8156	
GF204	431057	AA758492	Hs.121610	Hs.221635	ESTs Homo sapiens cDNA	539.7856	
GF202	48167	H12254	Hs.6877	Hs.6877	FLJ10483 fis, clone	539.7414	1.08366053
GF204	436431	AA699632	Hs.113093	Hs.186812	NT2RP2000157 ESTs	539.6998	

Westbrook et al.

APPENDIX A

GF203	430864	AA678203	Hs.59142	Hs.59142	ESTs	539.6759	-2.06131
GF202	823694	AA489639	Hs.65771	Hs.65771	ESTs	539.572	-2.460483
					Homo sapiens mRNA; cDNA		
GF201	340974	W57698	Hs.8888	Hs.8888	DKFZp434C2019 (from clone	539.5259	
GF201	782385	AA431408	Hs.106909	Hs.106909	DKFZp434C2019; partial cds	539.4433	
GF200	206094	H61608	Hs.70405	Hs.149611	DKFZP566D193 protein	539.2125	1.03895189
					ESTs		
					platelet-activating factor		
					acetylhydrolase, isoform lb,		
GF200	810124	AA464346	Hs.6793	Hs.6793	gamma subunit (29kD)	539.1868	1.2905223
GF202	813585	AA447671	Hs.127315	Hs.247280	HBV associated factor	539.0545	-1.4749601
GF201	73807	T54780	Hs.9792	Hs.269228	ESTs	538.8796	
					Human DNA sequence from		
					clone RP1-111B22 on		
					chromosome 6q16-21		
					Contains a novel pseudogene,		
					a pseudogene similar to		
					ribosomal protein L3, ESTs,		
					STSS, GSSs and CpG Islands		
GF202	1031532	AA609262	Hs.112676	Hs.163724	ESTs	538.7929	-1.6092984
GF203	270780	N33458	Hs.44490	Hs.168283	ESTs	538.7877	-1.3425336
					eukaryotic translation initiation		
GF204	50648	H18067	Hs.105756	Hs.93379	factor 4B	538.6974	
GF200	139962	R64660	Hs.28538	Hs.28538	ESTs	538.6391	-1.2158274
					DEAD/H (Asp-Glu-Ala-		
					Asp/His) box polypeptide 21		
GF201	810367	AA464180	Hs.26448	Hs.169531	DDX21	538.5532	
					COX15 (yeast) homolog,		
					cytochrome c oxidase		
					assembly protein		
GF203	454159	AA677070	Hs.113841	Hs.226581	COX15	538.5173	-1.4169527
GF200	292628	N80451	Hs.37560	Hs.37560	ESTs	538.501	1.20771099
GF203	449037	AA777396	Hs.121916	Hs.272812	hemoglobin, gamma G	538.363	-1.0629445
GF202	298746	N74690	Hs.50547	Hs.50547	ESTs	538.3214	-1.0280286
GF201	436741	AA702949	Hs.113082	Hs.113082	KIAA0443 gene product	538.2325	
GF202	276397	N40184	Hs.45050	Hs.45050	ESTs	538.215	-2.7337709
GF203	361897	AA001375	Hs.40871	Hs.245292	ESTs	538.1997	-1.3105049
GF200	133333	R26855	Hs.24120	Hs.24120	ESTs	538.1736	1.27840772



Westbrook et al.

APPENDIX A

GF203	812170	AA456035	Hs.115555	Hs.6654	KIAA0657 protein ESTs, Weakly similar to U4/U6 small nuclear ribonucleoprotein hPrp4 [H.sapiens] ESTs mutL (E. coli) homolog 1 (colon cancer, nonpolyposis type 2) ESTs von Willebrand factor ESTs, Highly similar to Trio [H.sapiens] EST nuclear receptor subfamily 1, group H, member 4 ESTs ESTs ESTs ESTs	KIAA0657	538.0458	-2.0508939
GF204	1048995	AA778646	Hs.122049	Hs.122049			537.9805	
GF202	742616	AA401482	Hs.97540	Hs.97540			537.9686	-2.2388764
GF201	128493	R10662	Hs.57301	Hs.57301		MLH1	537.9668	
GF204	1468078	AA889399	Hs.126079	Hs.190503			537.9542	
GF200	840486	AA487787	Hs.110802	Hs.110802		VWF	537.9199	-1.121179
GF203	266300	N26724	Hs.108514	Hs.108514			537.8172	-2.3705982
GF202	283981	N53369	Hs.47630	Hs.47630			537.7859	-2.0220602
GF200	241160	H91456	Hs.77606	Hs.171683		NR1H4	537.7237	1.51615136
GF200	137853	R68409	Hs.28884	Hs.28884			537.5676	1.57676617
GF204	460589	AA700433	Hs.113153	Hs.113153			537.5181	
GF201	49728	H29198	Hs.32458	Hs.32458			537.4541	
GF204	454973	AA676633	Hs.122530	Hs.193191			537.4095	
GF204	1575008	AA968514	Hs.7709	Hs.7709	WW domain binding protein 1	WBP1	537.2866	
GF202	53319	R15853	Hs.20988	Hs.20988	ESTs ESTs, Highly similar to G protein-coupled receptor kinase 6, splice variant B [H.sapiens] cytochrome b-245, beta polypeptide (chronic granulomatous disease) translin-associated factor X Homo sapiens cDNA FLJ11016 fis, clone PLACE1003334		537.1583	-1.6803972
GF204	486102	AA040699	Hs.6555	Hs.169478			536.9257	
GF201	213660	H72119	Hs.39368	Hs.88974		CYBB	536.88	
GF200	740027	AA477514	Hs.96247	Hs.96247		TSNAX	536.852	-1.0815191
GF201	205152	H59837	Hs.37230	Hs.210859			536.805	

[illegible]

APPENDIX A

GF201	503214	AA151572	Hs.13240	Hs.151076	Homo sapiens mRNA for KIAA1243 protein, partial cds	535.3467	
GF202	261592	H98757	Hs.42570	Hs.42570	ESTs	535.2252	-2.3752086
GF204	433594	AA701664	Hs.124745	Hs.189914	ESTs	535.1381	
GF203	824588	AA490985	Hs.102894	Hs.70589	ESTs, Weakly similar to neuron-restrictive silencer factor, form 2 [H.sapiens]	535.1365	-1.2122339
GF201	365536	AA009596	Hs.6458	Hs.25615	YDD19 protein	535.0993	
GF201	50266	H17463	Hs.101735	Hs.101735	DKFZP564J102 protein	534.9882	YDD19 DKFZP564J102
GF201	854284	AA668726	Hs.804	Hs.132834	hematopoietic protein 1	534.9652	HEM1
GF202	730025	AA416894	Hs.94011	Hs.94011	ESTs, Weakly similar to	534.9611	
GF203	815161	AA481143	Hs.108945	Hs.108945	MAGE-B4 [H.sapiens]	534.911	KIAA0515
GF201	784589	AA443300	Hs.80343	Hs.80343	KIAA0515 protein	534.7957	
GF201	197520	H52110	Hs.103886	Hs.225977	matrix metalloproteinase 15 (membrane-inserted)	534.7788	MMP15
GF204	1506046	AA905628	Hs.10499	Hs.10499	nuclear receptor coactivator 3		NCOA3
GF203	266135	N21633	Hs.127356	Hs.127356	Homo sapiens cDNA	534.7769	
GF203	824377	AA489707	Hs.16141	Hs.29896	FLJ10815 fis, clone NT2RP4000989, weakly similar to UNC-47 PROTEIN	534.709	-1.861827
GF201	428223	AA001749	Hs.77374	Hs.234279	ESTs, Highly similar to NESTIN [H.sapiens]		
GF203	435291	AA699908	Hs.27768	Hs.27768	ESTs, Weakly similar to	534.5737	-1.3438408
GF204	788596	AA452885	Hs.98133	Hs.98133	proline-rich protein MP4 [M.musculus]	534.4669	
GF200	796542	AA463830	Hs.43697	Hs.43697	microtubule-associated protein, RP/EB family, member 1	534.4067	-2.0912998
GF204	1048760	AA626927	Hs.97693	Hs.97693	ESTs	534.1741	
GF203	825053	AA489224	Hs.7759	Hs.7759	ets variant gene 5 (ets-related molecule)	533.9833	1.27227683
					ESTs	533.9133	
					Homo sapiens mRNA; cDNA		
					DKFZp434J0828 (from clone		
					DKFZp434J0828)	533.7308	-1.5879782

APPENDIX A

GF203	884498	AA629986	Hs.9676	Hs.9676	Homo sapiens cDNA FLJ20501 fis, clone KAT09263	533.5011	-1.1377794
GF200	135999	R33570	Hs.24651	Hs.108110	DKFZP547E2110 protein DKFZP547E2110	533.4778	-1.2348432
GF201	795229	AA453607	Hs.13991	Hs.121073	Homo sapiens mRNA; cDNA DKFZp434K0172 (from clone DKFZp434K0172)	533.4302	
GF203	755895	AA496543	Hs.131755	Hs.131755	ESTs	533.408	1.65107982
GF204	745434	AA625850	Hs.116091	Hs.260622	Homo sapiens mRNA; cDNA DKFZp434M092 (from clone DKFZp434M092)	533.2607	
GF202	840698	AA488079	Hs.15356	Hs.15356	Homo sapiens cDNA FLJ20254 fis, clone COLF6926	533.2084	-1.5262154
GF201	122734	T99037	Hs.94882	Hs.77965	Clk-associating RS-cyclophilin CYP	533.1714	
GF200	134482	R27552	Hs.24169	Hs.79828	Homo sapiens mRNA for KIAA1333 protein, partial cds	533.153	-1.4543431
GF202	1056212	AA621025	Hs.112934	Hs.112934	EST	533.0142	1.05994801
GF202	757151	AA496110	Hs.112249	Hs.248367	ESTs	532.9982	-1.288625
GF201	795197	AA453584	Hs.85203	Hs.108323	ubiquitin-conjugating enzyme E2E 2 (homologous to yeast UBC4/5)	532.8928	
GF203	436106	AA701981	Hs.12045	Hs.12045	putative protein	532.6761	-1.1500775
GF202	612782	AA181723	Hs.85487	Hs.191478	ESTs	532.6003	-1.1175282
GF202	42827	R60193	Hs.11637	Hs.11637	ESTs	532.5578	-1.8107027
GF200	243154	H94554	Hs.41978	Hs.102657	Homo sapiens mRNA for KIAA1155 protein, partial cds	532.4746	1.287829
GF201	60738	T40640	Hs.74911	Hs.74911	ESTs	532.472	
GF201	795323	AA454176	Hs.50630	Hs.169750	translocated promoter region (to activated MET oncogene)	532.3952	
GF202	743412	AA609332	Hs.111937	Hs.180696	ESTs	532.371	-1.2426417
GF201	758298	AA404337	Hs.91338	Hs.184297	KIAA0808 gene product	532.2739	1.29568809
GF202	592777	AA158234	Hs.72222	Hs.72222	ESTs	532.2377	-1.4200705
GF203	235909	H52247	Hs.93842	Hs.93842	ESTs	532.1898	
GF200	110281	T71551	Hs.29363	Hs.8906	syntaxin 7	532.1835	1.43448684

Westbrook et al.

APPENDIX A

GF202	897536	AA496993	Hs.45106	Hs.184522	ESTs	531.917	-1.0723571
GF202	42225	R60731	Hs.16491	Hs.16491	ESTs	531.9022	-1.9065853
GF201	782792	AA448181	Hs.90010	Hs.90010	Homo sapiens chromosome 19, cosmid R26660	531.8994	
GF202	338599	W59987	Hs.109917	Hs.272736	nuclear receptor binding protein	531.829	-1.303193
					Homo sapiens cDNA FLJ11157 fis, clone PLACE1006961		
GF202	754026	AA479976	Hs.21806	Hs.21806	ESTs	531.8161	-1.3521267
GF203	452134	AA707225	Hs.120001	Hs.146150	ESTs	531.7673	-1.1129579
GF201	258242	N30655	Hs.41010	Hs.52170	ESTs	531.7046	
GF200	248481	N78198	Hs.37637	Hs.37637	ESTs	531.6921	1.19944735
GF200	190491	H37774	Hs.90303	Hs.90303	tuberous sclerosis 2	531.6603	1.70181397
					Human mRNA for ornithine decarboxylase antizyme, ORF 1 and ORF 2		
GF200	121546	T97803	Hs.27266	Hs.125078	ESTs	531.6043	1.62257368
GF203	208225	H65300	Hs.114187	Hs.91687	ESTs	531.5313	-1.1525509
GF202	767068	AA424504	Hs.44155	Hs.44155	DKFZP586G1517 protein	531.4194	-1.7617688
GF201	289196	N68977	Hs.49162	Hs.49162	ESTs	531.3803	
					nuclear cap binding protein 1, 80kD		
GF203	396147	AA757918	Hs.31166	Hs.89563	EST	531.3571	-1.055953
GF202	289903	N64597	Hs.94162	Hs.94162	ESTs	531.2906	-2.2239759
GF201	210636	H66043	Hs.38448	Hs.38448	ESTs	531.1332	
GF201	415111	W93147	Hs.40425	Hs.269004	ESTs	530.8777	
					Homo sapiens cDNA FLJ10702 fis, clone NT2RP3000759, weakly similar to ADP-		
GF202	39677	R51818	Hs.42698	Hs.104222	RIBOSYLATION FACTOR	530.7918	-1.2893461
GF201	377433	AA055068	Hs.42874	Hs.136182	ESTs	530.7896	
GF202	344834	W70264	Hs.58093	Hs.58093	ESTs	530.7418	-2.5027301
					platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit (45kD)		
GF203	767180	AA424564	Hs.8051	Hs.77318	PAFAH1B1	530.7037	-1.8062937
GF200	243428	N49439	Hs.53179	Hs.268920	ESTs	530.7009	1.9514456

Westbrook et al.

APPENDIX A

GF200	308281	N92443	Hs.89781	Hs.89781	upstream binding transcription factor, RNA polymerase I	UBTF	530.6104	1.00154882
GF202	796624	AA460530	Hs.98384	Hs.246996	G protein-coupled receptor 49 ESTs, Weakly similar to MITOCHONDRIAL CARNITINE/ACYLCARNITINE CARRIER PROTEIN [H.sapiens]	GPR49	530.6072	1.03375588
GF202	43662	H05645	Hs.21262	Hs.129539	Huntingtin interacting protein B ESTs, Highly similar to CG1-135 protein [H.sapiens] ESTs, Weakly similar to !!! ALU SUBFAMILY SB1 WARNING ENTRY !!! [H.sapiens]	HYPB	530.4573	-1.2758121
GF202	594164	AA165325	Hs.6947	Hs.6947			530.3386	-1.4565835
GF201	809995	AA454862	Hs.84344	Hs.84344			530.3111	
GF201	265350	N21103	Hs.7495	Hs.133526			530.1483	
GF204	858147	AA633809	Hs.131778	Hs.190583			530.1191	
GF202	773335	AA425437	Hs.81234	Hs.81234	immunoglobulin superfamily, member 3	IGSF3	530.0947	-1.8993643
GF200	241348	H91256	Hs.99918	Hs.278627	prenilcysteine lyase	PCL1	530.0074	-1.2594017
GF203	450801	AA682583	Hs.15936	Hs.15936	ESTs		529.9371	-1.6881664
GF200	308588	W25035	Hs.15815	Hs.173464	FK506-binding protein 8 (38kD)	FKBP8	529.8735	-1.8157355
GF200	44563	H05445	Hs.79000	Hs.79000	growth associated protein 43	GAP43	529.8071	-1.2825673
GF202	328287	W31919	Hs.55491	Hs.170042	ESTs		529.7851	1.03174728
GF204	142540	R70760	Hs.90489	Hs.90489	ESTs		529.7584	
GF203	151967	H04200	Hs.107708	Hs.107708	ESTs		529.6338	-2.4862537
GF201	429555	AA011414	Hs.80943	Hs.90765	fibrinogen, A alpha polypeptide frizzled (Drosophila) homolog 7	FGA	529.6259	
GF201	298122	N69049	Hs.93795	Hs.173859	postmeiotic segregation increased 2-like 2	FZD7	529.6246	
GF201	758206	AA437275	Hs.118780	Hs.277777		PMS2L2	529.4318	

APPENDIX A

GF201	504536	AA150043	Hs.103203	Hs.184325	CGI-76 protein ESTs, Moderately similar to 10- formyltetrahydrofolate dehydrogenase [H.sapiens] carboxylesterase 1 (monocyte/macrophage serine esterase 1) fetal Alzheimer antigen NADH dehydrogenase (ubiquinone) Fe-S protein 4 (18kD) (NADH-coenzyme Q reductase) Homo sapiens mRNA; cDNA DKFZp434B1517 (from clone DKFZp434B1517); partial cds kininogen ESTs ESTs ESTs ESTs DKFZP566C0424 protein KIAA0069 protein ESTs ESTs ESTs interleukin 1 receptor accessory protein ESTs	LOC51632	529.374	
GF202	767082	AA424511	Hs.98407	Hs.98407			529.2435	-1.119861
GF202	82215	T68878	Hs.111133	Hs.76688		CES1	529.2249	1.17421273
GF203	450983	AA704421	Hs.99872	Hs.99872		FALZ	529.1402	-1.6741982
GF200	377152	AA055101	Hs.10758	Hs.10758		NDUFS4	529.0201	1.13351605
GF202	796240	AA460666	Hs.33476	Hs.33476			528.71	-2.1780486
GF201	195723	R89067	Hs.75407	Hs.77741		KNG	528.6766	
GF203	392350	AA707889	Hs.120054	Hs.120054			528.6719	1.17273221
GF203	726815	AA398302	Hs.127437	Hs.127437			528.6621	-1.6733206
GF204	855134	AA630208	Hs.119896	Hs.169346			528.6012	
GF201	341901	W61374	Hs.11317	Hs.11317			528.5135	
GF202	376839	AA047618	Hs.109927	Hs.226770		DKFZP566C0424	528.3399	-1.015266
GF200	51532	H20652	Hs.75249	Hs.75249		KIAA0069	528.2545	-1.4265099
GF203	811821	AA463484	Hs.17904	Hs.17904			528.2057	-1.6341899
GF203	727137	AA398757	Hs.97305	Hs.131336			527.9606	-2.4769132
GF204	43831	H05772	Hs.30567	Hs.30567			527.8599	
GF200	137063	R35903	Hs.112305	Hs.173880		IL1RAP	527.7468	1.09046785
GF202	743211	AA400125	Hs.71711	Hs.71711			527.6801	-2.5854471
GF201	307933	N93053	Hs.19236	Hs.19236	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5 (16kD, SGD) Homo sapiens mRNA for putative glucosyltransferase, partial cds	NDUFB5	527.6522	
GF202	595109	AA173926	Hs.42832	Hs.155356			527.5874	1.73548972

FILED

Westbrook et al.

APPENDIX A

GF203	767313	AA418544	Hs.27473	Hs.1255	nuclear receptor subfamily 2, group F, member 2	NR2F2	527.5496	-1.1801317
GF200	789049	AA452909	Hs.36082	Hs.144630	nuclear receptor subfamily 2, group F, member 1	NR2F1	527.4489	1.21609117
GF200	789049	AA452909	Hs.92398	Hs.144630	nuclear receptor subfamily 2, group F, member 1	NR2F1	527.4489	1.21609117
GF204	1504201	AA904738	Hs.97171	Hs.97171	ESTs		527.4489	
					protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	PTPN13	527.3759	
GF201	866702	AA679180	Hs.84029	Hs.211595	ESTs		527.2475	-2.492339
GF202	285364	N66346	Hs.49181	Hs.49181	ESTs		527.2113	
GF201	418276	W90689	Hs.17573	Hs.220817	melastatin 1	MLSN1	527.0467	-1.1406968
GF203	270601	N33322	Hs.42867	Hs.43265	heat shock 105kD	HSP105B	526.9936	1.07255571
GF200	815781	AA485036	Hs.36927	Hs.36927	EST		526.8986	-1.3790646
GF202	327325	W02043	Hs.55240	Hs.55240	ESTs, Highly similar to dolichyl-phosphate beta-glucosyltransferase			
					[H.sapiens]		526.8562	
GF201	773240	AA425769	Hs.106226	Hs.227933	ESTs		526.7886	-1.6441886
GF203	261444	H98981	Hs.118523	Hs.250722	ESTs		526.7423	1.39871038
GF202	68052	T52820	Hs.9515	Hs.9515	ESTs		526.6131	-2.1592094
GF202	741831	AA402874	Hs.118126	Hs.154854	phospholipid transfer protein	PLTP		
					Homo sapiens mRNA full length insert cDNA clone			
GF203	277512	N56960	Hs.13223	Hs.13223	EUROIMAGE 51358		526.559	-1.9578152
GF202	610113	AA169814	Hs.11183	Hs.11183	sorting nexin 2	SNX2	526.5231	-1.1068898
GF200	756452	AA482128	Hs.75516	Hs.75516	tyrosine kinase 2	TYK2	526.3254	-2.8613744
GF202	347345	W81649	Hs.58632	Hs.58632	ESTs		526.3003	1.9691473
GF202	229937	H67762	Hs.111914	Hs.6141	KIAA0890 protein	KIAA0890	526.2274	-1.3126399
GF203	739237	AA421309	Hs.119227	Hs.27197	SUMO-1-specific protease	KIAA0797	526.1298	1.31510028
GF201	47459	H11453	Hs.21468	Hs.125087	ESTs		526.0023	
GF202	50988	H18435	Hs.24649	Hs.24649	ESTs		525.9242	-1.3231221
GF203	813393	AA458637	Hs.93404	Hs.152207	ESTs		525.8347	-1.7303895



Westbrook et al.

APPENDIX A

GF202	839980	AA490159	Hs.26655	Hs.26655	glucose-6-phosphatase, transport (glucose-6-phosphate) protein 1	G6PT1	525.7518	1.15389923
GF203	43961	H04826	Hs.23075	Hs.226858	ESTs		525.7308	-1.3494657
GF201	52949	H29336	Hs.23213	Hs.23213	ESTs		525.6682	
GF201	278938	N66644	Hs.82776	Hs.111515	DKFZP5861023 protein	DKFZP5861023	525.6315	1.40221727
GF200	811843	AA443181	Hs.16340	Hs.16340	sulfite oxidase	SUOX	525.6135	-2.5355311
GF203	150887	H02778	Hs.113733	Hs.170198	KIAA0009 gene product	KIAA0009	525.4909	1.0230954
GF203	203900	H56548	Hs.118955	Hs.269311	ESTs		525.4885	-2.0823873
GF202	752668	AA417567	Hs.11911	Hs.172180	KIAA0440 protein	KIAA0440	525.3517	-1.4127882
GF202	842895	AA486427	Hs.59609	Hs.59609	ESTs		525.2178	
					Homo sapiens clone 23765 mRNA sequence		525.1471	1.09181142
GF200	234036	H68988	Hs.5548	Hs.5548	ESTs		524.9818	-1.8178585
GF202	549558	AA129249	Hs.71128	Hs.71128	ESTs, Weakly similar to organic anion transporter 1			
GF201	429904	AA033972	Hs.19102	Hs.19102	[H.sapiens]		524.7721	
					Homo sapiens cDNA FLJ20337 fis, clone HEP12138		524.7595	
GF204	812159	AA456029	Hs.26898	Hs.26898	KIAA0099 gene product	KIAA0099	524.5564	-2.3040938
GF201	68320	T56948	Hs.119678	Hs.153834	ESTs		524.5561	
GF202	417294	W88785	Hs.124183	Hs.124183	ESTs		524.4755	-1.83555096
GF201	67765	T49655	Hs.50588	Hs.267158	integral type I protein	P24B	524.226	
GF203	858152	AA633805	Hs.7092	Hs.179516	Ste-20 related kinase	SPAK	524.2133	
GF201	249603	H84871	Hs.100187	Hs.199263	KIAA0746 protein	KIAA0746	524.0964	
GF201	809374	AA456569	Hs.71492	Hs.49500	neogenin (chicken) homolog 1	NEO1	524.0514	1.13789328
GF200	784959	AA447658	Hs.90408	Hs.90408	ESTs		524.0494	-1.2875241
GF203	753982	AA479967	Hs.7882	Hs.7882	activating transcription factor 2	ATF2	524.0077	1.09388974
GF200	50765	H17364	Hs.80285	Hs.198166	ESTs, Weakly similar to !!!!			
					ALU SUBFAMILY J			
					WARNING ENTRY !!!!			
					[H.sapiens]		523.8008	-2.1218811
GF202	340994	W57872	Hs.56236	Hs.56236				

Westbrook et al.

APPENDIX A

GF203	49249	H15095	Hs.82171	Hs.82171	Human clone 191B7 placenta expressed mRNA from chromosome X	523.7371	-1.317575
GF204	139579	R64306	Hs.14373	Hs.14373	ESTs	523.6969	
GF201	429626	AA011551	Hs.20398	Hs.187569	ESTs	523.6619	
GF201	725501	AA397823	Hs.3053	Hs.3053	zinc finger protein with interaction domain	523.3145	
GF200	72050	T52435	Hs.84974	Hs.84974	chloride channel, nucleotide-sensitive, 1A	523.2765	1.5985413
GF202	781283	AA446344	Hs.99068	Hs.99068	ESTs	523.2725	-2.4651057
GF203	248073	N58392	Hs.20506	Hs.20506	ESTs	523.1198	-1.4671285
GF200	628955	AA194765	Hs.175	Hs.170133	forkhead box O1A (habdomyosarcoma)	522.8723	1.0653001
GF203	435919	AA701948	Hs.59324	Hs.59324	ESTs	522.8269	-2.0860788
GF202	758271	AA423978	Hs.98380	Hs.98380	ESTs, Weakly similar to JM27 [H.sapiens]	522.6339	1.22530362
GF201	342376	W65459	Hs.46517	Hs.46517	ESTs	522.4754	
GF200	741429	AA401035	Hs.75649	Hs.269222	mitogen-activated protein kinase 4	522.4199	-1.5670679
GF200	66507	T66981	Hs.2375	Hs.2375	egf-like module containing, mucin-like, hormone receptor-like sequence 1	522.2998	-1.5655983
GF202	61387	T40899	Hs.75974	Hs.91582	ESTs	522.2286	-1.1791528
GF200	126321	R06479	Hs.64896	Hs.64896	ESTs	522.1357	-1.6407473
GF203	1475746	AA873762	Hs.73103	Hs.180248	zinc finger protein 124 (HZF-16)	521.9495	1.10367293
GF200	241482	H80707	Hs.29189	Hs.29189	KIAA1021 protein	521.7168	1.12881515
GF203	360787	AA016973	Hs.128763	Hs.183858	transcriptional intermediary factor 1	521.6921	1.13514056
GF204	40154	R53478	Hs.4283	Hs.4283	ESTs	521.6785	
GF201	280375	N47113	Hs.46677	Hs.46677	ESTs	521.663	
GF200	294304	N64429	Hs.3385	Hs.3385	Homo sapiens cDNA FLJ11146 fis, clone PLACE1006673	521.6289	-1.6209137

Westbrook et al.

APPENDIX A

GF203	810947	AA459394	Hs.115163	Hs.263925	Homo sapiens cDNA FLJ20101 fis, clone COL04655		521.6088	-1.5291509
GF201	383188	AA074224	Hs.80539	Hs.80539	recoverin	RCV1	521.354	
GF203	193397	H48105	Hs.33999	Hs.97627	protein similar to E.coli yhdg and R. capsulatus nifR3	PP35	521.3121	-1.0952255
GF200	207850	H60572	Hs.26320	Hs.26320	Homo sapiens mRNA for TRABID protein (TRABID gene)		521.3033	1.21871792
GF203	269751	N27125	Hs.125230	Hs.125230	ESTs		521.1751	1.24400236
GF203	815861	AA485052	Hs.9736	Hs.9736	proteasome (prosome, macropain) 26S subunit, non- ATPase, 3	PSMD3	521.1469	-1.5671254
GF201	487820	AA043506	Hs.76722	Hs.76722	CCAAT/enhancer binding protein (C/EBP), delta	CEBPD	521.1444	
GF201	46938	H10054	Hs.22138	Hs.210862	T-box, brain, 1	TBR1	521.1431	
GF204	68500	T53118	Hs.9578	Hs.238730	ESTs		521.1263	
GF201	432072	AA679278	Hs.96149	Hs.96149	nuclear factor of activated T- cells, cytoplasmic 1	NFATC1	521.0192	
GF201	213850	H72368	Hs.39384	Hs.39384	putative secreted ligand homologous to fix1	FJX1	520.987	
GF203	756471	AA436405	Hs.38002	Hs.38002	Homo sapiens mRNA for KIAA1355 protein, partial cds		520.9437	-2.0235155
GF201	50240	H17063	Hs.27952	Hs.183646	ESTs		520.9196	
GF202	950688	AA608567	Hs.90336	Hs.90336	ATPase, H+ transporting, lysosomal (vacuolar proton pump), member J	ATP6J	520.827	-1.1881428
GF202	290234	N64384	Hs.51077	Hs.51077	integrin, alpha X (antigen CD11C (p150), alpha polypeptide)	ITGAX	520.7477	1.31225642
GF203	264597	N20328	Hs.108905	Hs.181022	ESTs, Highly similar to CGI-07 protein [H.sapiens]		520.6224	1.0434609
GF201	290359	N64504	Hs.34656	Hs.34656	ESTs		520.6118	
GF202	78736	T61888	Hs.3964	Hs.3964	Homo sapiens clone 24877 mRNA sequence		520.4567	-1.2474954

APPENDIX A

GF201	148469	H12338	Hs.9963	Hs.9963	TYRO protein tyrosine kinase binding protein	TYROBP	520.4243
GF203	155118	R70233	Hs.113684	Hs.113684	ESTs		520.2888
					ESTs, Weakly similar to similar to other protein phosphatases 1, 2A and 2B [C.elegans]		-1.2225057
GF203	701261	AA286819	Hs.69485	Hs.69485	plasmalogen-like polymerase (DNA directed), delta 1, catalytic subunit (125kD)	PLGL	520.1859
GF200	66982	T67549	Hs.100533	Hs.262869	endoglin (Osler-Rendu-Weber syndrome 1)		520.1489
					ESTs	ENG	-2.4754775
GF201	780947	AA429661	Hs.99890	Hs.99890	dynamitin 1		1.2588872
					ESTs	DNM1	520.1248
GF200	774409	AA446108	Hs.75962	Hs.76753	Homo sapiens cDNA FLJ20156 fis, clone COL08823		520.0837
GF203	415771	W84859	Hs.47315	Hs.47315	ligase IV, DNA, ATP-dependent		520.078
GF204	1292523	AA719016	Hs.131457	Hs.187985	ESTs		520.0331
GF201	755228	AA496334	Hs.126	Hs.166161	HSPCO34 protein	LOC51668	520.009
GF201	415715	W84667	Hs.68969	Hs.134441	signal sequence receptor, alpha (translocon-associated protein alpha)		519.9939
GF201	178999	H48165	Hs.21558	Hs.21558	ESTs, Highly similar to CGI-35 protein [H.sapiens]	SSR1	519.9681
					chromosome 8 open reading frame 1		519.6451
GF202	357996	W94555	Hs.59547	Hs.12692	ESTs		1.03542496
					ESTs		519.4449
GF200	39274	R54358	Hs.26109	Hs.166091	chromosome 8 open reading frame 1	C8ORF1	519.3448
GF201	68637	T49816	Hs.100404	Hs.134478	ESTs		519.3309
GF202	772925	AA479933	Hs.46967	Hs.46967	ESTs		519.2747
					DKFZP58611023 protein	DKFZP58611023	519.2642
GF200	510679	AA099394	Hs.76152	Hs.250773			
GF201	287676	N62169	Hs.44369	Hs.44369			
GF202	469383	AA027049	Hs.110332	Hs.40539			
GF201	505005	AA151295	Hs.80564	Hs.267365			
GF200	131446	R23952	Hs.23600	Hs.271945			
GF204	49145	H16560	Hs.23884	Hs.111515			

Westbrook et al.

APPENDIX A

GF201	490377	AA136283	Hs.106646	Hs.49349	beta-site APP-cleaving enzyme	BACE	519.2327
GF201	80649	T57805	Hs.109450	Hs.17820	Rho-associated, coiled-coil containing protein kinase 1	ROCK1	519.2088
GF204	1292170	AA705819	Hs.120840	Hs.186568	ESTs		519.1362
GF201	487753	AA045176	Hs.48022	Hs.23440	KIAA1105 protein	KIAA1105	519.0749
GF200	128245	R12474	Hs.91340	Hs.91340	EST		519.0674
					protein tyrosine phosphatase type IVA, member 2	PTP4A2	-2.4110489
GF200	825442	AA504327	Hs.82911	Hs.82911	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta		-1.2192993
GF203	1350468	AA806371	Hs.9731	Hs.9731	ESTs, Weakly similar to similar to beta tubulin	NFKBIB	-1.2000604
GF203	279460	N48792	Hs.34851	Hs.34851	[H.sapiens] protein kinase C substrate 80K		518.9781
GF200	897669	AA496810	Hs.1432	Hs.1432	H signal-induced proliferation-associated gene 1	PRKCSH	518.97
GF202	593114	AA160906	Hs.7019	Hs.7019	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	SIPA1	518.961
GF200	274638	R84263	Hs.66260	Hs.154868	splicing factor, arginine/serine-rich 4	CAD	-1.3087877
GF200	897646	AA496787	Hs.76122	Hs.76122	squalene epoxidase	SFRS4	-1.3743603
GF200	124781	R01118	Hs.71465	Hs.71465	ESTs	SQLE	-1.0825761
GF201	284714	N63057	Hs.62448	Hs.62448	ESTs		518.6112
GF200	296141	W02624	Hs.50482	Hs.226907	ESTs		518.5858
GF202	299059	N70520	Hs.5327	Hs.5327	ESTs		518.4495
GF204	40435	R53235	Hs.106442	Hs.270263	ESTs		518.0708
GF200	842846	AA486280	Hs.1795	Hs.6441	tissue inhibitor of metalloproteinase 2	TIMP2	518.0697
					Homo sapiens cDNA FLJ20624 fis, clone KAT04557		1.05463635
GF202	784016	AA443698	Hs.104918	Hs.52256	ESTs		518.0427
GF203	257111	N26829	Hs.87694	Hs.176669			517.9915

## APPENDIX A

[illegible]

APPENDIX A

GF203	788558	AA452824	Hs.21288	Hs.21288	ESTs, Weakly similar to KIAA0704 protein [H.sapiens] ESTs	516.074	-1.3199285
GF203	796395	AA459949	Hs.30591	Hs.30591		515.9447	-1.4569723
GF202	300051	N78927	Hs.75535	Hs.75535	myosin, light polypeptide 2, regulatory, cardiac, slow	515.8475	-1.2063237
GF200	126338	R06429	Hs.17639	Hs.17639	Homo sapiens mRNA; cDNA DKFZp586K2123 (from clone DKFZp586K2123)	515.8307	1.17373978
GF203	665082	AA194941	Hs.101014	Hs.101014	ESTs	515.7689	-1.0666483
GF203	251709	H96900	Hs.42247	Hs.275865	ribosomal protein S18	515.6296	-1.142304
GF201	859627	AA666405	Hs.45028	Hs.239499	KIAA0185 protein	515.6011	
GF200	782692	AA448094	Hs.78443	Hs.154846	phosphatidylinositol 4-kinase, catalytic, beta polypeptide	515.5202	1.1399637
GF203	160233	H21943	Hs.119407	Hs.170225	thymopoietin	515.4679	-1.2596228
GF201	201090	R99849	Hs.108046	Hs.269434	ESTs	515.4616	
GF201	79761	T63980	Hs.11355	Hs.11355	ESTs	515.4495	
GF201	376343	AA039595	Hs.19207	Hs.42458	Homo sapiens mRNA; cDNA DKFZp586C1817 (from clone DKFZp586C1817)	515.3776	
GF201	290607	N71695	Hs.50072	Hs.48332	NIMA (never in mitosis gene a)-related kinase 1	515.3553	
GF201	971399	AA683073	Hs.5042	Hs.154679	synaptotagmin 1	515.1642	
GF201	79032	T61899	Hs.90677	Hs.90677	ESTs, Highly similar to CGI-82 protein [H.sapiens]	515.0266	
GF200	898073	AA598787	Hs.74368	Hs.74368	transmembrane protein		
GF204	24033	R37938	Hs.129670	Hs.172180	(63kD), endoplasmic reticulum/Golgi intermediate compartment	514.7095	-1.633803
GF201	50170	H17854	Hs.21284	Hs.247177	KIAA0440 protein	514.6872	
GF202	743517	AA609414	Hs.112704	Hs.112704	ESTs, Weakly similar to similar to acyl-CoA dehydrogenases and epoxide hydrolases [C.elegans]		
GF201	50170	H17854	Hs.21284	Hs.247177	ESTs	514.6605	
GF202	743517	AA609414	Hs.112704	Hs.112704	ESTs	514.6077	-1.7066776

Westbrook et al.

APPENDIX A

Homo sapiens mRNA for KIAA1155 protein, partial cds									
GF200	233419	H77707	Hs.93363	Hs.102657				514.3948	-1.1165257
GF202	626016	AA187938	Hs.104021	Hs.55189		LOC51251		514.392	-1.1364086
GF200	208413	H62162	Hs.823	Hs.823		HPN		514.1868	-1.2275158
GF204	448067	AA702686	Hs.119641	Hs.187846				514.1542	
Homo sapiens cDNA FLJ20667 fis, clone KAlA596									
GF200	292416	N91198	Hs.53095	Hs.18955				514.1286	-1.0359145
GF202	46630	H10060	Hs.101687	Hs.101687				514.0777	1.52561383
GF203	814906	AA465692	Hs.31921	Hs.31921		KIAA0648 protein	KIAA0648	514.0766	1.06443522
small nuclear ribonucleoprotein polypeptides B and B1									
GF200	950482	AA599116	Hs.83753	Hs.83753		SNRBP		513.7945	-1.1406989
Homo sapiens mRNA; cDNA DKFZp434M0420 (from clone DKFZp434M0420)									
GF204	1473045	AA873427	Hs.100526	Hs.273369				513.7548	
GF203	363966	AA021303	Hs.60924	Hs.226930				513.7233	1.06840664
GF201	32339	R42823	Hs.22229	Hs.22229				513.7143	
GF201	277229	N41021	Hs.114408	Hs.114408		TLR5		513.6974	
GF201	128515	R10675	Hs.18285	Hs.128856		CSR1 protein	CSR1	513.5466	
cytochrome P450, subfamily XIX (aromatization of androgens)									
GF203	148954	H13181	Hs.113779	Hs.79946		CYP19		513.5344	-1.0247419
developmentally regulated GTP-binding protein 1									
GF200	842980	AA488466	Hs.115242	Hs.115242		DRG1		513.5165	1.23336378
guanylate cyclase activator 1A (retina)									
GF201	782462	AA431439	Hs.110261	Hs.92858		GUCA1A		513.5046	
spectrin SH3 domain binding protein 1									
GF200	129644	R16667	Hs.24752	Hs.24752		SSH3BP1		513.1384	-1.8653675
GF201	841046	AA486747	Hs.8904	Hs.8904		Z39IG		512.9284	
interferon-stimulated protein, 15 kDa									
GF201	742132	AA406020	Hs.833	Hs.833		ISG15		512.9008	
ESTs, Weakly similar to KIAA0609 protein [H.sapiens]									
GF204	703810	AA278321	Hs.86543	Hs.86543				512.8885	



APPENDIX A

GF201	72441	T51617	Hs.81110	Hs.81086	solute carrier family 22 (extraneuronal monoamine transporter), member 3 EST ESTs	SLC22A3	512.8774	
GF203	190291	H30055	Hs.117694	Hs.117694			512.7226	1.22126082
GF203	754543	AA406294	Hs.40289	Hs.40289			512.6703	-1.976868
GF200	841340	AA487637	Hs.78587	Hs.158164	ATP-binding cassette, sub- family B (MDR/TAP), member 2 ESTs	ABCB2	512.4981	1.3661441
GF202	742611	AA401496	Hs.124068	Hs.46722			512.2376	-1.4336448
GF202	279018	N63312	Hs.48759	Hs.48759	EST, Weakly similar to Citrate Bound, C298aW219Y MUTANT HUMAN ALDOSE REDUCTASE [H.sapiens] ESTs		512.1078	-2.3580797
GF200	249856	H84048	Hs.87	Hs.272115			512.1036	1.18442153
GF200	178468	H46487	Hs.112	Hs.112	mannosyl(beta-1,4-)- glycoprotein beta-1,4-N- acetylglucosaminyltransferase ESTs	MGAT3	512.0435	-1.5761585
GF203	265885	N21007	Hs.23840	Hs.250786			511.9911	-1.4760382
GF200	195852	R92197	Hs.34564	Hs.4082	lectin, galactoside-binding, soluble, 8 (galectin 8) ESTs	LGALS8	511.9274	-1.3994193
GF203	743851	AA634424	Hs.109007	Hs.109007			511.8137	-1.3495879
GF201	50238	H16997	Hs.13479	Hs.13479	Homo sapiens cDNA FLJ20847 fis, clone ADKA01746 ESTs, Moderately similar to heat shock protein 27 [H.sapiens] ESTs ESTs		511.7785	
GF204	449487	AA777737	Hs.121979	Hs.121979	ESTs, Highly similar to HCMV- interacting protein [M.musculus] ESTs		511.774	
GF203	211301	H69022	Hs.38787	Hs.183834			511.7017	1.04408708
GF203	30078	R40102	Hs.90220	Hs.90220			511.6798	-1.1431644
GF200	206992	R98434	Hs.81063	Hs.81063			511.6435	-1.8944408
GF202	1031568	AA609304	Hs.112685	Hs.259541			511.5249	-2.1049393

Westbrook et al.

APPENDIX A

GF202	503505	AA131253	Hs.110319	Hs.79457	Homo sapiens cDNA FLJ20519 fis, clone KAT10365	511.4869	-1.4869431
GF201	362680	AA018569	Hs.1191	Hs.1191	KIAA0073 protein small inducible cytokine subfamily A (Cys-Cys), member 15	511.358	
GF200	199663	R96668	Hs.20144	Hs.272493	SCYA15	511.2329	-1.3481593
GF202	365738	AA025538	Hs.61271	Hs.61271	ESTs	511.2317	-1.273816
GF201	782446	AA431571	Hs.17894	Hs.17894	ESTs	511.1777	
GF202	743113	AA401397	Hs.97730	Hs.165296	kallikrein 13	511.0976	-1.6043529
GF201	502333	AA156793	Hs.108100	Hs.225977	nuclear receptor coactivator 3	510.9294	
GF203	726747	AA398163	Hs.97603	Hs.97603	ESTs	510.9197	-2.1412818
GF201	454822	AA677388	Hs.2777	Hs.2777	inter-alpha (globulin) inhibitor, H1 polypeptide	510.8232	
GF203	219963	H85201	Hs.125255	Hs.11765	ESTs	510.5307	-2.0271013
GF201	417867	W90128	Hs.103237	Hs.149923	X-box binding protein 1	510.5269	
GF203	811737	AA463267	Hs.7542	Hs.7542	ESTs, Weakly similar to ZFX gene [H.sapiens]	510.4901	-2.0797532
GF203	430837	AA678190	Hs.49599	Hs.49599	Homo sapiens mRNA; cDNA DKFZp434G0827 (from clone DKFZp434G0827)	510.3151	1.61534549
GF200	949934	AA599176	Hs.77492	Hs.77492	heterogeneous nuclear ribonucleoprotein A0	510.2886	-1.0820533
GF202	626300	AA188416	Hs.28583	Hs.181461	ariadne, Drosophila, homolog of	510.2838	-1.1570015
GF202	838639	AA457223	Hs.91715	Hs.169358	Homo sapiens mRNA for KIAA1162 protein, partial cds	510.2818	1.26878234
GF201	270127	N27935	Hs.44007	Hs.274185	ESTs protein C inhibitor	510.1553	
GF201	416567	W86431	Hs.18440	Hs.76353	(plasminogen activator inhibitor III)	510.1211	
GF201	782826	AA448257	Hs.97127	Hs.97127	ESTs	509.9964	
GF202	841348	AA487441	Hs.107323	Hs.170120	muscle specific gene	509.9413	-1.0362359
GF202	37814	R59355	Hs.12549	Hs.12549	ESTs	509.899	-1.8230301
GF202	511117	AA088231	Hs.91732	Hs.264065	ESTs	509.8832	-1.4080869
GF200	343737	W69216	Hs.92848	Hs.92848	ESTs	509.8586	1.47515255

## APPENDIX A

GF201	49654	H28794	Hs.6659	Hs.6659	ESTs	509.775
GF200	274529	R85387	Hs.10862	Hs.10862	ESTs	509.6819
GF201	280688	N50513	Hs.22556	Hs.172979	zinc finger protein 177	509.6457
GF201	282267	N51944	Hs.106286	Hs.144477	ZNF177	509.6315
GF203	149735	H00587	Hs.30164	Hs.30164	CSNK1A1	509.6182
GF201	289606	N59270	Hs.111867	Hs.168132	ESTs	509.5547
GF200	243980	N46943	Hs.44545	Hs.44545	IL15	509.3557
ESTs						
ESTs, Weakly similar to						
GF201	52716	H29245	Hs.21837	Hs.21837	KIAA0927 protein [H.sapiens]	509.246
GF204	460793	AA708157	Hs.124883	Hs.187863	ESTs	509.1654
GF203	785983	AA449791	Hs.99226	Hs.229165	EST	509.0999
EST						
-2.3792639						
Homo sapiens cDNA						
GF201	172892	H20442	Hs.31242	Hs.202955	FLJ20507 fis, clone KAT09540	509.0395
GF203	753675	AA406603	Hs.50235	Hs.93121	KIAA0761 protein	508.8632
GF204	505958	AA778356	Hs.12429	Hs.25615	YDD19 protein	508.8481
GF201	256895	N26311	Hs.109000	Hs.116577	prostate differentiation factor	508.7927
GF200	758329	AA401236	Hs.19923	Hs.198308	tryptophan rich basic protein	508.7523
GF203	239611	H79534	Hs.117848	Hs.117848	hemoglobin, epsilon 1	508.745
ATP-binding cassette, sub-family B (MDR/TAP), member 8						
GF203	167041	R89046	Hs.118634	Hs.118634	ABCB8	508.3787
GF204	448056	AA702674	Hs.114134	Hs.238672	EST	508.3447
Human mRNA for ankyrin motif, complete cds						
GF200	782315	AA431245	Hs.73073	Hs.73073		508.2653
GF203	428296	AA004944	Hs.121261	Hs.191400	ESTs	508.2545
GF202	488246	AA088177	Hs.49258	Hs.172870	ESTs	508.227
COP9 subunit 6 (MOV34 homolog, 34 kD)						
GF204	1602675	AA992441	Hs.15591	Hs.15591	MOV34-34KD	508.1859
GF203	741988	AA402915	Hs.79	Hs.79	ACY1	508.1574
M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein)						
GF200	825214	AA504113	Hs.28240	Hs.201676		508.1043
-1.1790933						

## APPENDIX A

[illegible]

Westbrook et al.

## APPENDIX A

GF201	299517	N71095	Hs.9653	Hs.19261	dystonia 1, torsion (autosomal dominant; torsin A)	DYT1	506.9681
GF201	588840	AA157787	Hs.115778	Hs.115778	KIAA0166 gene product	KIAA0166	506.9227
GF203	768068	AA418909	Hs.33213	Hs.169333	ESTs		506.7164
GF201	417084	W87810	Hs.31751	Hs.155182	KIAA1036 protein	KIAA1036	506.7133
GF201	289496	N63988	Hs.82554	Hs.82554	ESTs		506.6812
GF203	825845	AA504779	Hs.103283	Hs.191402	ESTs		506.5992
GF201	357449	W93943	Hs.59509	Hs.59509	ESTs		506.4132
GF202	282235	N49732	Hs.46959	Hs.46959	EST		506.3206
GF201	141815	R70685	Hs.91143	Hs.91143	jagged1 (Alagille syndrome) plasminogen activator inhibitor, type II (arginine-serpin)	JAG1	506.2593
GF200	70692	T49159	Hs.75716	Hs.75716	ORF	PAI2	506.1851
GF203	155896	R72366	Hs.77868	Hs.77868	ESTs	LOC51035	505.9688
GF203	26759	R38505	Hs.21417	Hs.21417	splicing factor 3a, subunit 3, 60kD		505.9108
GF200	31866	R17811	Hs.77897	Hs.77897	ESTs	SF3A3	505.91
GF202	626326	AA188619	Hs.58606	Hs.58606	protein tyrosine phosphatase, non-receptor type 3	PTPN3	1.51753302
GF201	461804	AA682684	Hs.644	Hs.153932	ESTs		505.6364
GF201	430003	AA034111	Hs.35008	Hs.124187	ESTs		505.6321
GF201	195034	R88764	Hs.34202	Hs.269267	ESTs		505.602
GF201	291712	N67839	Hs.27172	Hs.27172	ESTs		505.4889
GF201	77882	T61246	Hs.101397	Hs.183745	ESTs		505.4436
GF203	290560	N62372	Hs.24170	Hs.24170	ESTs, Weakly similar to !!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!! [H.sapiens] heat shock 70kD protein 9B (mortalin-2) ESTs actinin, alpha 1 KIAA1034 protein ESTs		505.4294
GF204	1604342	AA987644	Hs.3069	Hs.3069	HSPA9B		505.4156
GF201	417707	W88965	Hs.19313	Hs.19313	ESTs		505.3557
GF203	854079	AA669042	Hs.119000	Hs.119000	actinin, alpha 1	ACTN1	505.293
GF203	280229	N49196	Hs.5962	Hs.12896	KIAA1034 protein	KIAA1034	505.2905
GF203	275372	R85509	Hs.33536	Hs.33536	ESTs		505.2614
GF203	290560	N62372	Hs.24170	Hs.24170	ESTs, Weakly similar to !!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!! [H.sapiens] heat shock 70kD protein 9B (mortalin-2) ESTs actinin, alpha 1 KIAA1034 protein ESTs		-1.6618995
GF204	1604342	AA987644	Hs.3069	Hs.3069	HSPA9B		-2.5498053
GF201	417707	W88965	Hs.19313	Hs.19313	ESTs		-2.130878
GF203	854079	AA669042	Hs.119000	Hs.119000	actinin, alpha 1	ACTN1	
GF203	280229	N49196	Hs.5962	Hs.12896	KIAA1034 protein	KIAA1034	-1.0426353
GF203	275372	R85509	Hs.33536	Hs.33536	ESTs		-1.060338
GF203	290560	N62372	Hs.24170	Hs.24170	ESTs, Weakly similar to !!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!! [H.sapiens] heat shock 70kD protein 9B (mortalin-2) ESTs actinin, alpha 1 KIAA1034 protein ESTs		-2.8625074

Westbrook et al.

APPENDIX A

GF200	299093	W05157	Hs.79503	Hs.1179	TATA box binding protein (TBP)-associated factor, RNA polymerase II, A, 250kD	505.11	-1.0118375
GF203	35575	R45964	Hs.69492	Hs.239934	CGI-96 protein	505.0603	1.14940269
GF202	280261	N49215	Hs.46909	Hs.46909	ESTs, Highly similar to KIAA0822 protein [H.sapiens]	504.6492	-2.2717078
GF200	783849	AA443688	Hs.86724	Hs.86724	GTP cyclohydrolase 1 (dopa- responsive dystonia)	504.6125	-2.0757873
GF203	289977	N64635	Hs.6674	Hs.6674	ESTs	504.4856	-1.8667383
					Homo sapiens cDNA FLJ10416 fis, clone NT2RP1000111, moderately similar to COP1		
GF200	376515	AA041406	Hs.105737	Hs.105737	REGULATORY PROTEIN	504.4134	-1.2891493
GF202	742569	AA400074	Hs.29128	Hs.29128	ESTs, Weakly similar to trg [R.norvegicus]	504.3193	-1.0173985
GF201	375857	AA037810	Hs.95212	Hs.241558	ariadne-2 (D. melanogaster) homolog (all-trans retinoic acid inducible RING finger )	504.0446	
GF203	459941	AA779380	Hs.90415	Hs.272023	transforming, acidic coiled-coil containing protein 2	503.9848	-2.0813403
GF200	297063	W03787	Hs.90638	Hs.90638	ESTs	503.9236	-1.5361524
GF201	782822	AA448255	Hs.37902	Hs.37902	ESTs	503.7612	
GF202	784154	AA432096	Hs.35406	Hs.35406	ESTs	503.5681	1.39144802
GF202	488715	AA046023	Hs.88845	Hs.88845	ESTs, Highly similar to unknown [H.sapiens]	503.3917	-1.228646
GF201	796689	AA460688	Hs.104555	Hs.104555	neuropeptide FF-amide peptide precursor	503.3527	
GF200	843049	AA485983	Hs.89699	Hs.154443	minichromosome maintenance deficient (S. cerevisiae) 4	503.0895	-1.2647303
GF200	795498	AA454207	Hs.99364	Hs.99364	putative transmembrane protein	503.0715	-1.2402747
GF202	365893	AA025426	Hs.61300	Hs.61300	EST	502.7419	-2.3650684
GF204	1592006	AA953229	Hs.110637	Hs.110637	homeo box A10	502.7245	

Westbrook et al.

APPENDIX A

GF200	204208	H59201	Hs.93227	Hs.262869	plasminogen-like runt-related transcription factor 3	PLGL RUNX3	502.7 502.5862	1.29998338
GF201	291478	N67778	Hs.2536	Hs.170019	aminopeptidase puromycin sensitive	NPEPPS	502.5302	-1.1618416
GF203	825200	AA504109	Hs.16987	Hs.132243	v-yes-1 Yamaguchi sarcoma viral related oncogene	LYN	502.5246 502.4417	1.20906764
GF200	193913	R83837	RG.12	Hs.80887	homolog			
GF201	490959	AA136664	Hs.29334	Hs.238246	ESTs			
GF202	595420	AA173573	Hs.28644	Hs.239218	Human DNA sequence from clone RP3-351K20 on chromosome 6q22.1-22.33.			
GF201	73659	T54527	Hs.5510	Hs.5510	Contains the gene for a novel C3HC4 type Zinc finger (RING finger) protein, the gene for a novel enoyl coA/acyl coA hydratase/dehydrogenase type protein, a YWHAZ (tyrosine 3- monooxygenas ESTs		502.437 502.4349	-1.5341362
GF203	684655	AA251770	Hs.61153	Hs.61153	proteasome (prosome, macropain) 26S subunit, ATPase, 2	PSMC2	502.2784 502.1911	-1.1194526 1.19763769
GF202	509463	AA056383	Hs.63279	Hs.63279	EST			
GF203	303152	N92749	Hs.32533	Hs.93379	eukaryotic translation initiation factor 4B	EIF4B	502.0973	-1.1062369
GF201	49562	H15458	Hs.78945	Hs.155623	KIAA0171 gene product	KIAA0171	501.9897	
GF202	27816	R40480	Hs.21237	Hs.21237	EST		501.8936	-1.7835729
GF200	209296	H63361	Hs.78592	Hs.189584	ESTs		501.7203	-1.0988117
					ESTs, Moderately similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!!			
GF202	50883	H18428	Hs.113613	Hs.113613	[H.sapiens]		501.6106	-1.1871037
GF200	308437	N95761	Hs.576	Hs.576	fucosidase, alpha-L- 1, tissue	FUCA1	501.5577	-1.2016341
GF203	745495	AA625991	Hs.14570	Hs.14570	ESTs		501.4954	-1.5780855

Westbrook et al.

## APPENDIX A

GF200	33690	R18985	Hs.64542	Hs.64542	pre-mRNA cleavage factor Im (68kD)	CFIM	501.4938	-2.4056192
GF200	284341	N52254	Hs.47438	Hs.47438	SH3-binding domain glutamic acid-rich protein	SH3BGR	501.4282	-2.3289141
GF202	811877	AA454639	Hs.11050	Hs.11050	F-box protein Fbx9	NY-REN-57	501.2791	-1.3807451
GF202	511835	AA088428	Hs.68840	Hs.198271	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10 (42kD)	NDUFA10	501.2735	-1.7669428
GF200	796996	AA463498	Hs.3631	Hs.3631	immunoglobulin (CD79A) binding protein 1	IGBP1	501.2304	1.29999544
GF200	196612	R92994	Hs.1695	Hs.1695	matrix metalloproteinase 12 (macrophage elastase)	MMP12	501.1554	-1.3152126
GF202	1031363	AA609134	Hs.112647	Hs.112647	EST, Highly similar to ubiquitin-conjugating enzyme			
GF203	754404	AA436186	Hs.30662	Hs.30662	[M.musculus]		501.0955	-2.3534338
					ESTs		501.0696	-2.1041877
					ESTs, Highly similar to TRANSCRIPTION			
					INITIATION FACTOR TFIID			
GF203	449270	AA777696	Hs.121959	Hs.187883	135 KD SUBUNIT [H.sapiens]		501.028	-1.5913912
GF202	285261	N63153	Hs.94133	Hs.94133	ESTs		501.0141	-1.1196776
GF200	33478	R44864	Hs.754	Hs.754	folypolyglutamate synthase	FPGS	500.6669	-1.0914407
					ESTs, Weakly similar to gene			
GF202	251826	H96654	Hs.15984	Hs.15984	pp21 protein [H.sapiens]		500.6274	-1.4464419
GF203	767844	AA418737	Hs.11426	Hs.25615	YDD19 protein	YDD19	500.5778	1.00777619
GF201	725968	AA394240	Hs.830	Hs.149923	X-box binding protein 1	XBP1	500.5727	
					proteasome (prosome, macropain) 26S subunit, non-ATPase, 5	PSMD5	500.5726	-1.524723
GF200	563403	AA113407	Hs.78418	Hs.193725	EST		500.4321	-1.0590706
GF203	396186	AA757806	Hs.121251	Hs.121251				
GF201	26295	R20626	Hs.75110	Hs.75110	cannabinoid receptor 1 (brain)	CNR1	500.4012	
GF201	39922	R53937	Hs.7022	Hs.7022	dedicator of cyto-kinesis 3	DOCK3	500.3654	
					accessory proteins			
GF201	877832	AA625628	Hs.79119	Hs.181373	BAP31/BAP29	DXS1357E	500.3301	



Westbrook et al.

## APPENDIX A

GF203	755671	AA410708	Hs.115717	Hs.111515	DKFZP586I1023 protein TGF beta receptor associated protein -1	DKFZP586I1023 TRAP-1	500.2629	1.03789619
GF200	160573	H22171	Hs.101766	Hs.101766	ESTs		500.2311	2.43738142
GF201	782362	AA432275	Hs.90825	Hs.90825	DKFZP434A043 protein	DKFZP434A043	500.2182	1.74197818
GF200	214981	H74165	Hs.93347	Hs.102708	ESTs		500.1026	-2.1159712
GF200	295229	N75967	Hs.33264	Hs.33264	ESTs		499.9526	
GF201	129227	R11047	Hs.77418	Hs.111219	KIAA0154 protein; ADP- ribosylation factor binding protein GGA3	KIAA0154	499.9121	
GF200	812167	AA455401	Hs.87726	Hs.87726	KIAA0156 gene product	KIAA0156	499.8934	1.32093207
GF202	824923	AA489028	Hs.116875	Hs.116875			499.8806	-1.5684725
GF202	757257	AA426092	Hs.98454	Hs.97411	Human DNA sequence from clone 413H6 on chromosome 6p22.3-24.3. Contains a hamster Androgen-dependent Expressed Protein like protein gene, ESTs and GSSs		499.8755	-1.7257131
GF203	377468	AA055440	Hs.88044	Hs.88044	sprouty (Drosophila) homolog 1 (antagonist of FGF signaling)	SPRY1	499.8207	-2.0169646
GF201	39963	R53561	Hs.12363	Hs.12363	ESTs		499.777	
GF200	202921	H54384	Hs.36892	Hs.36892	ESTs		499.7043	1.05369908
GF201	428826	AA005292	Hs.33958	Hs.269196	ESTs		499.664	
GF200	45231	H07878	Hs.92458	Hs.92458	G protein-coupled receptor 19	GPR19	499.6209	1.1572246
GF200	137638	R37224	Hs.108642	Hs.108642	ESTs		499.5968	1.16606795
GF200	297086	W03794	Hs.5233	Hs.151242	complement component 1 inhibitor (angioedema, hereditary)	C1NH	499.4691	-1.1184663
GF204	449500	AA777927	Hs.121992	Hs.121992	EST, Weakly similar to CATHESPIN G PRECURSOR [H.sapiens]		499.3985	
GF200	245386	N54993	Hs.35755	Hs.35755	ESTs, Weakly similar to Pro- Pol-dUTPase polypeptide [M.musculus]		499.3145	1.6193245

Westbrook et al.

APPENDIX A

GF202	307741	N92955	Hs.57550	Hs.148093	ESTs	499.304	-1.1996855
GF200	85259	T71757	Hs.75967	Hs.202833	heme oxygenase (decycling) 1 ESTs, Weakly similar to jerky gene product homolog	499.2951	1.28233175
GF201	416361	W86853	Hs.58924	Hs.58924	[H.sapiens]	499.0257	
GF200	789318	AA453231	Hs.30770	Hs.118442	cyclin C	498.9384	1.11280248
GF203	788087	AA453170	Hs.23552	Hs.111515	DKFZP58611023 protein proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7)	498.9383	-1.7289626
GF202	624360	AA181300	Hs.1550	Hs.180062	PSMB8	498.9043	-1.4410783
GF201	300512	N81093	Hs.50955	Hs.50955	ESTs	498.8684	
GF202	882510	AA676460	Hs.2397	Hs.159557	karyopherin alpha 2 (RAG cohort 1, importin alpha 1)	498.7816	1.15446037
GF203	739578	AA479609	Hs.11950	Hs.11950	GPI-anchored metastasis- associated protein homolog	498.7165	-1.0964107
GF202	285736	N64139	Hs.19074	Hs.19074	LATS (large tumor suppressor, Drosophila) homolog 2	498.5659	1.60093706
GF203	754594	AA406266	Hs.31943	Hs.25615	YDD19 protein	498.5355	-2.6106596
GF201	357396	W93847	Hs.24139	Hs.24139	ESTs	498.4611	
GF200	203434	H55854	Hs.37203	Hs.131870	ESTs	498.4507	1.56580921
GF201	488107	AA047413	Hs.22182	Hs.22182	zinc finger protein 23 (KOX 16) oxidative 3 alpha hydroxysteroid	498.3806	
GF201	471641	AA034945	Hs.11958	Hs.11958	dehydrogenase; retinol dehydrogenase	498.2433	
GF203	815047	AA465166	Hs.4859	Hs.4859	Homo sapiens BM-001 mRNA, complete cds	498.0675	1.14042604
GF201	490995	AA136707	Hs.28484	Hs.41270	procollagen-lysine, 2- oxoglutarate 5-dioxygenase	498.0104	
GF203	768217	AA424905	Hs.27160	Hs.27160	(lysine hydroxylase) 2	497.9176	-1.7491349
GF200	242037	H93328	Hs.92374	Hs.92374	ESTs	497.8937	-1.3386171
					hypothetical protein	FLJ20746	

Westbrook et al.

APPENDIX A

GF203	274169	H49250	Hs.117776	Hs.187515	ESTs	497.86	-1.4120564
GF200	49404	H15567	Hs.75863	Hs.75863	KIAA0218 gene product	497.7401	-1.2890268
GF203	844768	AA774230	Hs.119018	Hs.119018	H.sapiens mRNA for ITBA4 gene	497.7313	-1.2998329
GF202	743574	AA609456	Hs.112708	Hs.112708	ESTs	497.7001	-1.120357
GF202	127751	R09725	Hs.100806	Hs.100806	ESTs	497.628	-1.7594223
GF201	356863	W84627	Hs.57794	Hs.7862	Homo sapiens cDNA FLJ20312 fis, clone HEP07362	497.4567	
GF201	258761	N30185	Hs.23495	Hs.23495	Homo sapiens cDNA FLJ10304 fis, clone NT2RM2000192	497.1907	
GF203	32870	R43205	Hs.110412	Hs.172745	ESTs	497.1861	-1.0589694
GF202	529307	AA069704	Hs.112318	Hs.112318	6.2 kd protein	497.1299	-1.0166027
GF200	825295	AA504461	Hs.70008	Hs.213289	low density lipoprotein receptor (familial hypercholesterolemia)	497.0238	1.4689444
GF203	813318	AA455168	Hs.57222	Hs.57222	LDLR	497.0092	-2.5074315
GF200	34852	R19628	Hs.75263	Hs.75263	apoptosis inhibitor 1	496.928	-1.5096828
GF201	489595	AA099034	Hs.35086	Hs.35086	ubiquitin-specific protease 1	496.727	
GF202	71591	T48011	Hs.8764	Hs.8764	ESTs	496.6861	1.07316282
GF201	430235	AA010223	Hs.108369	Hs.2178	H2B histone family, member Q H2BFQ	496.6779	
GF201	297899	N70059	Hs.16762	Hs.16762	Homo sapiens mRNA; cDNA DKFZp564B2062 (from clone DKFZp564B2062)	496.6142	
GF204	788609	AA452899	Hs.105017	Hs.213586	ESTs, Weakly similar to similar to KIAA0766	496.61	
GF203	701423	AA286777	Hs.87996	Hs.269380	[H.sapiens]	496.5262	-1.0979384
GF201	230440	H75328	Hs.108412	Hs.108412	ESTs	496.5237	
GF203	435315	AA699929	Hs.37417	Hs.37417	ESTs	496.4424	-1.0585585
GF202	838689	AA457261	Hs.25172	Hs.179902	putative human HLA class II associated protein I	496.3385	-1.6790075
GF204	1586124	AA973944	Hs.12247	Hs.12247	ESTs	496.3123	

GF200	357344	W93500	Hs.41736	Hs.156115	potassium voltage-gated channel, KQT-like subfamily, member 1	KCNQ1	496.1926	-1.353791	
GF202	502201	AA127063	Hs.71063	Hs.203717			EST	495.9843	-1.3593657
							Homo sapiens cDNA		
							FLJ20024 fis, clone		
GF203	768481	AA495977	Hs.65490	Hs.267923	ADSE01831		495.9478	-1.5964786	
GF202	130703	R22003	Hs.127574	Hs.127128	ESTs		495.8062	-1.3434393	
GF204	1467293	AA884755	Hs.125209	Hs.125209	ESTs		495.6895		
GF202	41321	R56906	Hs.26568	Hs.26568	EST		495.687	-1.0333509	
					rho/rac guanine nucleotide exchange factor (GEF) 2	ARHGEF2	495.6364		
GF201	810567	AA464578	Hs.20948	Hs.155120	ESTs		495.6083	-1.7352386	
GF202	243024	H95669	Hs.117971	Hs.269026	ESTs		495.54	-1.6765381	
GF202	782231	AA431992	Hs.104920	Hs.104920	ESTs		495.511		
GF201	137890	R68581	Hs.92202	Hs.92202	ESTs				
					ESTs, Weakly similar to !!!!				
					ALU SUBFAMILY SQ				
					WARNING ENTRY !!!!				
GF200	67037	T70413	Hs.51615	Hs.51615	[H.sapiens]		495.3945	1.07427068	
GF202	288768	N62498	Hs.48554	Hs.48554	ESTs		495.3769	-1.1538564	
GF200	293736	N94198	Hs.20289	Hs.20289	ESTs		495.3753	1.21922554	
					ESTs, Highly similar to		495.3708	-1.5690891	
GF203	813586	AA447662	Hs.59988	Hs.234896	geminin [H.sapiens]				
					nuclear receptor subfamily 2,				
GF200	789049	AA452909	Hs.36082	Hs.144630	group F, member 1	NR2F1	495.1236	1.22930726	
					nuclear receptor subfamily 2,				
GF200	789049	AA452909	Hs.92398	Hs.144630	group F, member 1	NR2F1	495.1236	1.22930726	
GF200	248599	N59799	Hs.84507	Hs.84507	ESTs		495.1032	-1.010061	
					azurocidin 1 (cationic				
GF201	448032	AA702802	Hs.72885	Hs.72885	antimicrobial protein 37)	AZU1	494.9579		
GF202	593520	AA165403	Hs.71475	Hs.71475	hypothetical protein	LOC51324	494.9113	1.18359086	
GF202	782774	AA448164	Hs.99153	Hs.20237	DKFZP566C134 protein	DKFZP566C134	494.9076	-1.1715604	
GF201	810402	AA464192	Hs.11042	Hs.11042	hypothetical protein	LOC51248	494.8929		
					S100 calcium-binding protein				
GF203	260181	N29374	Hs.118740	Hs.256290	A11 (calgizzarin)	S100A11	494.8414	-1.8859895	
GF201	78695	T61866	Hs.5151	Hs.5151	RAN binding protein 7	RANBP7	494.8283		

Westbrook et al.

APPENDIX A

GF200	243230	H94586	Hs.41989	Hs.41989	ESTs	494.7988	1.00982201
GF201	50480	H17612	Hs.79338	Hs.172851	arginase, type II	494.7651	
GF200	811771	AA463452	Hs.93524	Hs.154879	DiGeorge syndrome critical region gene DGS1	494.7084	-2.0837658
GF202	841253	AA487146	Hs.34549	Hs.34549	ESTs, Highly similar to clone 4-3 [H.sapiens]	494.6314	1.6761879
					ESTs, Weakly similar to RENAL		
					SODIUM/DICARBOXYLATE COTRANSPORTER		
GF203	413068	AA707785	Hs.121031	Hs.121031	[H.sapiens]	494.5981	-1.1001319
GF203	666238	AA233767	Hs.41272	Hs.41272	ESTs	494.5386	1.10898635
GF200	782594	AA447531	RG.66	Hs.184081	seven in absentia (Drosophila) homolog 1	494.5125	-1.1192781
GF201	428876	AA005308	Hs.17967	Hs.17967	ESTs	494.4227	
GF203	151240	H02525	Hs.113735	Hs.25248	ESTs	494.3177	-2.1534388
					esterase D/formylglutathione hydrolase	494.2451	1.12030977
GF201	80500	T64625	Hs.82193	Hs.82193	ESTs	494.1377	
GF201	428486	AA004489	Hs.60054	Hs.60054	ESTs	494.064	-2.7698061
GF202	44203	H06290	Hs.16175	Hs.189731	ESTs	494.0032	-2.4771411
GF202	287365	N69764	Hs.23084	Hs.23084	ESTs		
GF201	85313	T71686	Hs.3863	Hs.82506	cell cycle progression 8 protein CPR8	493.8927	
GF203	898058	AA598775	Hs.53997	Hs.53997	ESTs	493.8483	-1.7884614
					dimethylarginine		
GF203	813187	AA456324	Hs.75866	Hs.75866	dimethylaminohydrolase 1	493.8277	1.18668916
					ESTs, Highly similar to HSPC013 [H.sapiens]		
GF201	840506	AA485898	Hs.9527	Hs.9527	similar to RING3	493.7839	-1.5491512
GF202	511865	AA085918	Hs.16156	Hs.278675	ESTs	493.7707	1.05521331
GF203	362452	AA018469	Hs.40486	Hs.40486	ESTs	493.737	-2.1221832
GF202	214424	H77949	Hs.114226	Hs.114226	ESTs	493.5563	1.485343
GF202	342283	W61264	Hs.57829	Hs.57829	ESTs	493.5494	
					death-associated protein kinase 1		
GF201	364934	AA025275	Hs.95109	Hs.153924	DAPK1	493.5109	

Westbrook et al.

APPENDIX A

sparc/osteonectin, cwcw and kazal-like domains								
GF202	200144	R97788	Hs.113967	Hs.93029	proteoglycan (testican) KIAA0670 protein/acinus EST myeloid leukemia factor 2 ESTs, Weakly similar to The KIAA0191 gene is expressed ubiquitously. [H.sapiens] ESTs Homo sapiens cDNA FLJ10731 fis, clone NT2RP3001325 Homo sapiens mRNA for KIAA1191 protein, partial cds mannan-binding lectin serine protease 2 solute carrier family 21 (organic anion transporter), member 11 neutral sphingomyelinase (N-SMase) activation associated factor SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3 ESTs Homo sapiens cDNA FLJ20156 fis, clone COL08823 ESTs ESTs ESTs zinc-finger protein 265	SPOCK KIAA0670 MLF2	493.4539	-1.0812453
GF200	230562	H75861	Hs.103456	Hs.227133			493.2612	1.03527201
GF202	1030848	AA621747	Hs.112847	Hs.112847			493.168	-1.1906052
GF200	810743	AA480835	Hs.79026	Hs.79026			493.1122	-1.2269612
GF200	128632	R10043	Hs.106004	Hs.157909	MASP2	492.9483 492.9287	-1.0828522	
GF201	415692	W84716	Hs.16594	Hs.125039				
GF203	824126	AA490611	Hs.99838	Hs.30738		492.9037	-1.0081202	
GF203	725618	AA293701	Hs.8594	Hs.8594		492.6622	-1.8867717	
GF203	431381	AA706982	Hs.119983	Hs.119983		492.6485	-1.2281908	
GF203	1292058	AA707527	Hs.14805	Hs.14805	SLC21A11	492.5157	-1.9656683	
GF201	289570	N62766	Hs.78687	Hs.78687	NSMAF	492.503		
GF200	810974	AA459632	Hs.3068	Hs.3068	SMARCA3	492.3331	-1.2865334	
GF202	33817	R44717	Hs.22917	Hs.22917		492.3149	1.10557271	
GF204	51237	H19123	Hs.12692	Hs.12692		492.2943	-1.9061838	
GF200	296149	N74360	Hs.36247	Hs.36247		492.206	-1.064521	
GF200	135219	R32951	Hs.62203	Hs.108785		492.2022		
GF201	429434	AA007615	Hs.107945	Hs.184532		492.1557		
GF203	293884	N66014	Hs.7332	Hs.194718	ZNF265	492.1444	-1.1288956	

Westbrook et al.

## APPENDIX A

[illegible]

APPENDIX A

GF201	342232	W61236	Hs.43145	Hs.43145	ESTs	490.6691	
GF202	278168	N63529	Hs.48814	Hs.237520	ESTs	490.6382	-1.221226
GF200	788493	AA452556	Hs.4147	Hs.4147	translocating chain-associating membrane protein	490.5992	-1.1201789
GF203	383619	AA679067	Hs.117155	Hs.195499	EST	490.3569	-1.4755576
GF201	22883	R38619	Hs.12299	Hs.150926	fucose-1-phosphate guanylyltransferase	490.2778	
					solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11		
GF201	878413	AA670357	Hs.3816	Hs.184877	SLC25A11	490.2576	
GF201	455121	AA676804	Hs.2227	Hs.2227	CCAAT/enhancer binding protein (C/EBP), gamma	490.1905	
GF202	757240	AA426068	Hs.98448	Hs.98448	EST	490.1823	1.02445039
GF201	282498	N49852	Hs.45080	Hs.45080	Homo sapiens cDNA FLJ11227 fis, clone PLACE1008309	490.154	
GF202	594454	AA164630	Hs.72465	Hs.72465	ESTs	490.098	-1.2749504
GF200	34106	R44546	Hs.82563	Hs.82563	KIAA0153 protein	490.0323	1.0017936
GF200	221172	H91826	Hs.75390	Hs.169370	FYN oncogene related to SRC, FGR, YES	489.9619	1.15482601
GF200	754031	AA479981	Hs.86122	Hs.86122	protein "A"	489.9244	-1.156271
GF203	770319	AA434454	Hs.103750	Hs.174134	ESTs, Weakly similar to ORF YGR021w [S.cerevisiae]	489.8902	-1.188261
GF203	1055753	AA628154	Hs.87537	Hs.179982	tumor protein p53-binding protein	489.8337	-1.1548576
GF200	139331	R63782	Hs.28436	Hs.28436	ESTs, Weakly similar to coded for by C. elegans cDNA CEESW58F [C.elegans]	489.4469	1.02848109
GF202	214443	H73591	Hs.129901	Hs.31086	Homo sapiens mRNA for cytochrome b5, partial cds	489.4377	-1.7990915
GF203	665620	AA194143	Hs.104093	Hs.104093	ESTs	489.2479	-1.7964274



APPENDIX A

GF204	1553998	AA933077	Hs.2023	Hs.170009	transforming growth factor, alpha	TGFA	489.1935
GF202	730361	AA469953	Hs.28885	Hs.169329	DKFZP564A043 protein	DKFZP564A043	-1.2400906
GF204	1493137	AA876427	Hs.50925	Hs.50925	ESTs		489.1159
GF200	297178	W03979	Hs.94292	Hs.94292	ESTs		1.14254426
GF202	26460	R20534	Hs.21116	Hs.21116	ESTs		-1.6073256
GF201	280464	N51584	Hs.47045	Hs.260860	ESTs		489.0149
					vitamin A responsive;		
GF200	144977	R78725	Hs.92384	Hs.92384	cytoskeleton related	JWA	-1.1697008
					ESTs, Weakly similar to coded for by C. elegans cDNA		
GF200	248649	N59542	Hs.34469	Hs.28436	CEESW58F [C.elegans]		1.03508046
					mitogen-activated protein kinase 8 interacting protein 1	MAPK8IP1	
GF202	31918	R41732	Hs.127418	Hs.234249	Homo sapiens mRNA; cDNA		488.8313
					DKFZp761B101 (from clone DKFZp761B101)		1.14110887
GF204	395573	AA757678	Hs.121240	Hs.235390	ESTs		488.7679
GF202	300618	N78661	Hs.50745	Hs.50745	ESTs		488.7108
GF202	282481	N52039	Hs.47402	Hs.47402	ESTs		-2.3652362
GF200	243700	N45083	Hs.47566	Hs.47566	ESTs		-2.2389323
GF202	840837	AA486273	Hs.100472	Hs.191721	ESTs		-1.1298572
GF203	726527	AA398074	Hs.119143	Hs.119143	ESTs		-1.2830111
					vesicle-associated membrane protein 4	VAMP4	
GF202	782791	AA448191	Hs.99160	Hs.102664	ESTs		-1.4967755
GF202	229601	H66629	Hs.114198	Hs.114198	glucan (1,4-alpha-), branching enzyme 1 (glycogen branching enzyme, Andersen disease, glycogen storage disease type IV)		1.19240937
					small proline-rich protein 1B (cornifin)	GBE1	1.6891966
GF200	127509	R09069	Hs.1691	Hs.1691	proteasome (prosome, macropain) subunit, beta type,	SPRR1B	-1.8251833
GF200	813614	AA447835	Hs.1076	Hs.1076			
						PSMB7	-1.5507612
GF203	428043	AA002063	Hs.118065	Hs.118065			

## APPENDIX A

GF202	261841	H99213	Hs.42646	Hs.42646	ESTs	488.177	-1.1448922
GF200	242779	H93608	Hs.41919	Hs.41919	EST	488.1465	1.38577711
GF200	343646	W69471	RG.45	Hs.2969	v-ski avian sarcoma viral oncogene homolog	488.0034	1.02843097
GF200	343646	W69471	Hs.2969	Hs.2969	v-ski avian sarcoma viral oncogene homolog	488.0034	1.02843097
GF200	366580	AA026709	Hs.77735	Hs.8982	ESTs, Weakly similar to trg [R.norvegicus]	487.9617	1.08150812
GF203	770430	AA430677	Hs.5291	Hs.5291	ESTs, Weakly similar to hypothetical protein 2 [H.sapiens]	487.9305	-1.1671415
GF200	127243	R08297	Hs.19631	Hs.19631	ESTs	487.722	1.17525243
GF201	773639	AA431887	Hs.7367	Hs.7367	Homo sapiens glucocorticoid receptor AF-1 coactivator-1 mRNA, partial cds	487.7177	
GF200	121898	T97843	Hs.18152	Hs.169694	Homo sapiens mRNA; cDNA DKFZp586J0720 (from clone DKFZp586J0720)	487.6281	-1.8659172
GF201	725927	AA292382	Hs.89869	Hs.155650	KIAA0014 gene product	487.6148	
GF200	753104	AA478553	Hs.472	Hs.240217	dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)	487.5903	1.08260609
GF202	510575	AA057742	Hs.17230	Hs.17230	ESTs, Weakly similar to /prediction	487.4369	1.10418839
GF202	1055533	AA620817	Hs.112910	Hs.112910	ESTs	487.2174	-1.8773638
GF200	825013	AA489201	Hs.84264	Hs.84264	acidic protein rich in leucines	487.1597	-1.1776066
GF204	448017	AA702795	Hs.118031	Hs.190368	ESTs	487.0392	
GF200	293977	N95657	Hs.6820	Hs.6820	ESTs, Weakly similar to putative [C.elegans]	486.899	-1.1627101
GF203	768008	AA418744	Hs.55220	Hs.55220	BCL2-associated athanogene 2	486.7656	-2.0023431
GF203	283196	N45282	Hs.17413	Hs.201591	ESTs	486.6884	1.10187105
GF202	592403	AA159497	Hs.65609	Hs.167642	ESTs, Highly similar to hook1 protein [H.sapiens]	486.5428	-1.2368597
GF201	294136	N68594	Hs.38228	Hs.125029	ESTs	486.3927	

## APPENDIX A

GF200	356707	W84558	Hs.111279	Hs.111279	hypothetical protein imogen 38	FLJ10404	486.294	-1.24976
GF202	39313	R51362	Hs.13335	Hs.154655	ESTs	IMOGN38	486.162	-1.2670229
GF203	397575	AA701026	Hs.121068	Hs.269619	NS1-associated protein 1	NSAP1	486.0091	-1.6634741
GF201	504661	AA142968	Hs.31730	Hs.155489	cyclin B2	CCNB2	485.9434	1.00055934
GF203	856289	AA774665	Hs.20483	Hs.194698	ESTs		485.7517	-1.0892206
GF203	450515	AA704222	Hs.64193	Hs.64193	ESTs		485.715	
GF204	796730	AA460707	Hs.106397	Hs.106397	ESTs		485.658	
GF202	743136	AA401305	Hs.23257	Hs.111515	DKFZP58611023 protein transcription factor 12 (HTF4, helix-loop-helix transcription factors 4)	DKFZP58611023	485.321	-1.0657447
GF201	261836	H98856	Hs.102382	Hs.21704	ESTs	TCF12	485.3165	
GF203	31225	R41943	Hs.26173	Hs.26173	proteasome (prosome, macropain) subunit, alpha type, 5	PSMA5	485.3065	-1.8603487
GF200	897952	AA598815	Hs.76913	Hs.76913	ESTs		485.2951	-1.2604586
GF202	626208	AA188789	Hs.110771	Hs.110771	ESTs		485.2741	-1.2244631
GF201	795901	AA460171	Hs.34817	Hs.9012	ESTs		485.0976	
GF203	824873	AA488884	Hs.76089	Hs.178617	ESTs, Weakly similar to CGI- 82 protein [H.sapiens]		485.0883	-2.6571173
GF200	146081	R79722	Hs.69997	Hs.69997	zinc finger protein 238	ZNF238	485.0809	-1.0511687
GF202	773375	AA425723	Hs.31189	Hs.31189	ESTs		485.0665	-1.0812877
GF203	397268	AA701008	Hs.114033	Hs.114033	EST		484.9267	-1.1908941
GF201	488584	AA044814	Hs.107257	Hs.28794	ESTs, Weakly similar to PTB- ASSOCIATED SPLICING FACTOR [H.sapiens]		484.853	
GF200	755891	AA496541	Hs.20126	Hs.20126	KIAA0317 gene product	KIAA0317	484.846	1.46384093
GF202	624390	AA181314	Hs.18809	Hs.6879	ESTs		484.4514	1.14587629
GF201	33523	R43972	Hs.91731	Hs.22590	ESTs		484.4249	
GF202	416754	W86728	Hs.58885	Hs.58885	ESTs		484.3983	-1.9174995
GF200	26578	R13806	Hs.13501	Hs.13501	pescadillo (zebrafish) homolog 1, containing BRCT domain	PES1	484.3643	-1.1986189
GF202	289513	N62745	Hs.48621	Hs.48621	EST		484.3148	1.20148719
GF200	300482	W07367	Hs.31867	Hs.153636	far upstream element (FUSE) binding protein 3	FUBP3	484.3143	1.11247801

APPENDIX A

GF201	810981	AA459420	Hs.15125	Hs.15125	Homo sapiens cDNA	484.2756	
GF202	730730	AA435984	Hs.98854	Hs.191618	FLJ20699 fis, clone KAlA2372	484.2686	-2.0406267
GF202	324897	W49670	Hs.56044	Hs.56044	ESTs	484.265	-1.1603657
					interferon induced		
					transmembrane protein 1 (9-27)	484.2134	
GF201	755599	AA419251	Hs.118548	Hs.146360	IFITM1		
GF201	85320	T71889	Hs.100721	Hs.184081	seven in absentia (Drosophila) homolog 1	484.1644	
					SIAH1		
					general transcription factor IIH, polypeptide 2 (44kD subunit)	484.0902	
GF201	345525	W72437	Hs.88919	Hs.191356	GTF2H2	483.8999	
GF201	345081	W74802	Hs.33106	Hs.33106	ESTs	483.8991	1.17560209
GF203	37821	R59470	Hs.106695	Hs.25615	YDD19 protein		
					chaperonin containing TCP1, subunit 8 (theta)	483.8942	
GF201	884690	AA630016	Hs.84021	Hs.15071	CCT8		
					adaptor-related protein		
GF202	813756	AA453805	Hs.40368	Hs.40368	complex 1, sigma 2 subunit	483.8001	-1.5012555
GF203	381036	AA054643	Hs.40876	Hs.247277	SIGMA1B	483.4122	-1.2274347
GF202	796885	AA463200	Hs.99584	Hs.192895	ESTs	483.231	-1.7997521
GF200	214136	H72914	Hs.39407	Hs.177398	ESTs	483.1814	1.03538043
					ESTs, Weakly similar to coded for by C. elegans cDNA yk157f8.5 [C.elegans]		
GF203	416436	W86823	Hs.9265	Hs.9265		483.1731	-1.8310507
					ESTs, Weakly similar to similar to Yeast hypothetical protein YFY6 like [C.elegans]		
GF201	742565	AA401345	Hs.15760	Hs.15760	ESTs	483.1357	
GF202	897296	AA488282	Hs.31433	Hs.31433	ESTs	482.9687	-1.0706859
GF203	129629	R16566	Hs.22036	Hs.260903	ESTs	482.7246	-1.80244
					ESTs, Moderately similar to PMS3 homolog mismatch repair protein [H.sapiens]		
GF201	377217	AA055179	Hs.63163	Hs.63163	Homo sapiens mRNA for KIAA1376 protein, partial cds	482.7062	
GF203	135900	R33609	Hs.24684	Hs.24684		482.5255	-1.9708282

Westbrook et al.

APPENDIX A

GF200	214858	H74106	Hs.4980	Hs.4980	LIM binding domain 2	LDB2	482.2831	-1.3085557
GF200	294647	N69453	Hs.33756	Hs.33756	ESTs		482.0461	1.28353575
					proline synthetase co-transcribed (bacterial homolog)			
GF201	418094	W90036	Hs.83593	Hs.210749	ESTs	PROSC	481.9977	
GF201	272331	N35691	Hs.43943	Hs.42366	ESTs		481.9141	
GF203	135627	R31567	Hs.117455	Hs.268846	ESTs		481.8474	-2.6256186
GF200	160616	H24977	Hs.32120	Hs.264165	ESTs		481.7032	1.0989356
					inositol(myo)-1(or 4)-monophosphatase 2	IMPA2	481.6911	
GF201	32299	R42685	Hs.5753	Hs.5753	Cip1-interacting zinc finger protein			
GF202	770580	AA434135	Hs.23476	Hs.23476	ESTs, Moderately similar to !!! ALU SUBFAMILY SX WARNING ENTRY !!!!	CIZ1	481.596	-1.1382698
					[H.sapiens]			
GF203	785713	AA449347	Hs.99216	Hs.99216	Homo sapiens mRNA; cDNA DKFZp434K046 (from clone DKFZp434K046); complete cds		481.4669	-2.3215043
GF202	951048	AA620428	Hs.4288	Hs.4288	Human DNA sequence from clone RP1-111B22 on chromosome 6q16-21 Contains a novel pseudogene, a pseudogene similar to ribosomal protein L3, ESTs, STSs, GSSs and CpG Islands ADP-ribosylation factor 6 ESTs collapsin response mediator protein 1 ESTs EST ESTs	ARF6	481.1906 481.1718 481.1702	-1.4648384 1.14489669
GF203	814416	AA458926	Hs.22493	Hs.163724				
GF200	360885	AA012867	Hs.89474	Hs.89474				
GF201	50860	H17981	Hs.27997	Hs.193605				
GF201	878280	AA670279	Hs.75079	Hs.155392		CRMP1	481.1004	
GF201	430291	AA010600	Hs.60386	Hs.60386			481.0821	
GF202	51608	H19429	Hs.101746	Hs.101746			481.0557	-1.0747961
GF201	501651	AA135748	Hs.71592	Hs.71592			481.0552	

Westbrook et al.

APPENDIX A

GF202	757383	AA437140	Hs.59236	Hs.59236	ESTs, Weakly similar to unknown orf, len 451, CAI: 0.14, some similarity to B38637 ras inhibitor [S.cerevisiae] Homo sapiens cDNA FLJ10276 fis, clone HEMBB1001182 EST ESTs ESTs D-type cyclin-interacting protein 1 triple functional domain (PTPRF interacting) ESTs, Highly similar to CGI-07 protein [H.sapiens] ocular albinism 1 (Nettleship-Falls) ESTs cdk inhibitor p21 binding protein VAMP (vesicle-associated membrane protein)-associated protein B and C hyaluronoglucosaminidase 1 ESTs ESTs ESTs ESTs CUG triplet repeat, RNA-binding protein 2 glycine receptor, alpha 3 ESTs ESTs ESTs	481.0476	1.23699334
GF203	343654	W69677	Hs.6937	Hs.6937			
GF202	66315	T66813	Hs.12947	Hs.12947			-1.4106573
GF202	285636	N66472	Hs.49204	Hs.49204			-1.9196785
GF203	726697	AA398261	Hs.104685	Hs.104685			1.97584871
GF202	788580	AA452873	Hs.36794	Hs.36794		DIP1	-2.0863606
GF201	429234	AA007299	Hs.82218	Hs.171957		TRIO	1.17728783
GF203	825031	AA489210	Hs.23752	Hs.181022			480.6895
GF203	1469234	AA865729	Hs.74124	Hs.74124		OA1	1.65345684
GF202	428901	AA005039	Hs.60171	Hs.60171			-1.3538046
GF201	415437	W81124	Hs.108340	Hs.171835		TOK-1	-1.2388041
GF202	796640	AA461464	Hs.5005	Hs.182625			480.4612
GF200	810391	AA464791	Hs.75619	Hs.75619		VAPB	480.3297
GF203	1033710	AA780080	Hs.122139	Hs.122139		HYAL1	480.1173
GF203	824913	AA489023	Hs.99807	Hs.99807			479.8009
GF202	1031583	AA609323	Hs.112689	Hs.112689			479.7677
GF201	52802	H29032	Hs.7094	Hs.7094			479.6364
GF204	111426	T84491	Hs.111833	Hs.211610		CUGBP2	479.5981
GF203	700668	AA283885	Hs.89247	Hs.167742		GLRA3	479.4784
GF200	234537	H78433	Hs.102480	Hs.102480			479.3838
GF203	686226	AA262235	Hs.104415	Hs.104415			479.3278
GF200	128322	R11532	Hs.19717	Hs.19717			479.2812
							479.2241
							-1.2270229
							2.44543334
							-1.3384691
							-1.6829273

## APPENDIX A

GF202	731168	AA417344	Hs.98220	Hs.252835	ESTs, Moderately similar to Su(var)3-9 homolog [H.sapiens]	479.2093	-2.685264
GF202	611467	AA176453	Hs.49767	Hs.49767	NADH dehydrogenase (ubiquinone) Fe-S protein 6 (13kD) (NADH-coenzyme Q reductase)	479.1564	1.04402074
GF203	166530	R88680	Hs.130852	Hs.233650	ESTs	478.8051	-1.0360239
GF202	328567	W40150	Hs.125840	Hs.24485	chondroitin sulfate proteoglycan 6 (bamacan)	478.6049	1.06726999
GF204	448267	AA777319	Hs.121722	Hs.185946	ESTs	478.3329	
GF200	754998	AA411407	Hs.2943	Hs.2943	signal recognition particle	478.2993	-1.3256601
GF201	41186	R56130	Hs.26294	Hs.26294	19kD	478.2731	
GF201	343744	W69399	Hs.109325	Hs.226117	ESTs	478.1705	
GF201	78144	T61647	Hs.7914	Hs.232076	H1 histone family, member 0		
GF200	109279	T80834	Hs.13959	Hs.191118	A kinase (PRKA) anchor	478.1629	
GF202	283237	N51388	Hs.47247	Hs.47247	protein 11	477.9511	1.00499817
					ESTs	477.9364	1.09906782
					EST		
					Homo sapiens cDNA		
					FLJ11018 fis, clone		
					PLACE1003602, highly similar to Homo sapiens mRNA expressed in placenta	477.6702	-2.0652247
GF202	767136	AA424545	Hs.56851	Hs.56851	ESTs	477.6348	1.10093763
GF202	417409	W88952	Hs.17589	Hs.17589	ESTs, Moderately similar to proliferation potential-related protein [M.musculus]		
GF204	344949	W73001	Hs.91065	Hs.91065	dishevelled 3 (homologous to Drosophila dsh)	477.6252	
GF203	435341	AA700736	Hs.83558	Hs.174044	inositol polyphosphate phosphatase-like 1	477.5023	-1.4373612
GF200	703964	AA279072	Hs.75339	Hs.75339	ESTs	477.4924	-1.3622441
GF203	206370	H58453	Hs.117803	Hs.268936	ESTs	477.4923	-1.9770198
GF202	612613	AA179392	Hs.73601	Hs.73601	EST	477.4677	-1.0666466
GF202	796732	AA460708	Hs.62905	Hs.62905	ESTs	477.3804	-1.7086097
GF203	768448	AA495918	Hs.26714	Hs.26714	ESTs	477.3018	-1.3858419

## APPENDIX A

GF200	247117	N57872	Hs.81554	Hs.144567	alanine-glyoxylate amino transferase (oxalosis I; hyperoxaluria I; glycolic aciduria; serine- pyruvate aminotransferase) cell growth regulatory with ring finger domain	AGXT	477.2873	-1.0283944
GF201	455025	AA676705	Hs.59106	Hs.59106	spermidine synthase	CGR19	477.1536	
GF201	856796	AA669545	Hs.76244	Hs.76244	oxysterol binding protein	SRM	477.123	-1.2493146
GF200	360245	AA012838	Hs.24734	Hs.24734	KIAA0182 protein	OSBP	476.6301	1.34976475
GF200	43977	H05563	Hs.75909	Hs.75909	ESTs	KIAA0182	476.5856	-1.6608422
GF203	767795	AA418721	Hs.87518	Hs.87518	pim-1 oncogene	PIM1	476.4818	1.06804979
GF202	489663	AA099404	Hs.69307	Hs.81170	ESTs		476.46	
GF201	782195	AA431968	Hs.97322	Hs.193783			476.4183	
GF201	41648	R52796	Hs.25954	Hs.25954	interleukin 13 receptor, alpha 2	IL13RA2	476.3699	
GF203	811918	AA454990	Hs.7935	Hs.7935	aldehyde dehydrogenase 5	KIAA0952	476.3212	-1.3916887
GF203	197657	R93551	Hs.35149	Hs.169517	ESTs, Weakly similar to	ALDH5	476.2632	-1.0557866
GF203	788575	AA452877	Hs.37636	Hs.37636	Knockout [D.melanogaster]		476.263	-1.7016519
GF202	34294	R44346	Hs.106548	Hs.111515	DKFZP58611023 protein	DKFZP58611023	476.2328	-1.2376852
GF203	430848	AA678196	Hs.118401	Hs.200595	KIAA0562 gene product	KIAA0562	476.1514	-1.2270164
GF203	284076	N53406	Hs.109313	Hs.13313	cAMP responsive element binding protein-like 2	CREBL2	476.0777	-1.3306876
GF203	50887	H19201	Hs.106185	Hs.106185	ral guanine nucleotide dissociation stimulator	RALGDS	475.8567	-2.0879913
GF201	376475	AA041396	Hs.106215	Hs.54673	tumor necrosis factor (ligand) superfamily, member 13	TNFSF13	475.8235	
GF201	210599	H65078	Hs.81495	Hs.239340	Homo sapiens clone 24987 mRNA sequence		475.8231	
GF203	788232	AA454079	Hs.106805	Hs.8026	ESTs, Moderately similar to p53 regulated PA26-T2		475.7747	-1.4463807
GF203	172817	H19804	Hs.46797	Hs.174310	nuclear protein [H.sapiens] ESTs		475.7455	1.21737727
GF203	249517	H84915	Hs.40747	Hs.167634	ESTs, Weakly similar to ORF2 [M.musculus]		475.7196	-1.2732445
GF202	595695	AA173189	Hs.24766	Hs.24766	DKFZP564E1962 protein	DKFZP564E1962	475.662	1.190323



## APPENDIX A

GF202	76585	T50974	Hs.9250	ESTs a disintegrin and metalloproteinase domain 12 (meltin alpha)	475.6356	1.74944755
GF203	489755	AA099554	Hs.8850	ADAM12	475.5623	-1.7384345
GF203	647679	AA206311	Hs.86241	EST	475.5247	-1.28058
GF201	230316	H80847	Hs.102252	ESTs	475.5085	1.35288901
GF200	301380	W16916	Hs.82635	KIAA0260 protein	475.396	
				ESTs, Highly similar to CAMPATH-1 ANTIGEN		
GF200	115292	T87077	Hs.108338	PRECURSOR [H.sapiens] sin3-associated polypeptide, 30kD	475.2544	-1.255758
GF201	502142	AA126982	Hs.90852	SAP30	475.1676	
				ELAV (embryonic lethal, abnormal vision, Drosophila)- like 1 (Hu antigen R)	475.0924	-1.4868222
GF200	345208	W72322	Hs.12379	ELAVL1	475.049	1.43768367
GF200	240208	H79705	Hs.102669	DKFZP434O125 protein	475.0196	
GF201	40277	R55658	Hs.21868	ESTs		
				Homo sapiens cDNA		
GF203	814455	AA459255	Hs.23956	FLJ20502 fis, clone KAT09323	474.9052	-1.4472348
GF203	451150	AA704548	Hs.121041	ESTs	474.8415	1.16367205
GF203	434966	AA700687	Hs.124100	ESTs	474.7599	-1.3871532
				ATPase type IV, phospholipid transporting (P-type) (putative)	474.7447	
GF201	271737	N35112	Hs.44697	ESTs	474.6738	
GF201	490718	AA115761	Hs.106137	ESTs	474.5508	
GF201	347520	W81290	Hs.58543	ESTs		
				katanin p80 (WD40- containing) subunit B 1	474.5032	
GF201	810697	AA457696	Hs.106475	ESTs	474.4793	-1.1439592
GF202	46131	H09533	Hs.91458	EST	474.2116	1.02984669
GF202	743415	AA609343	Hs.112695	ESTs	474.1275	-1.1090443
GF200	292559	N80384	Hs.82698	ESTs	474.1202	
GF201	341654	W58342	Hs.12817	putative gene product		
GF200	195387	R88915	Hs.34216	13CDNA73 ESTs	474.065	1.28373715

APPENDIX A

ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens]									
GF200	293564	N94143	Hs.94149	Hs.94149				473.9329	1.30340262
GF201	343490	W69106	Hs.103153	Hs.278554	heterochromatin-like protein 1	HECH		473.884	
GF201	265114	N20820	Hs.62818	Hs.192943	ESTs			473.6181	
GF202	61112	T40760	Hs.90459	Hs.90459	EST			473.6161	-1.1684298
Homo sapiens mRNA; cDNA DKFP434A2410 (from clone DKFP434A2410); partial cds ESTs, Weakly similar to ZINC FINGER PROTEIN 135 [H.sapiens]									
GF200	154323	R52161	Hs.106424	Hs.25897				473.558	-2.0146626
GF204	50571	H17016	Hs.23019	Hs.23019				473.5453	
ESTs, Weakly similar to KIAA0822 protein [H.sapiens] ESTs ESTs GDP dissociation inhibitor 1 M-phase phosphoprotein homolog ESTs alpha2,3-sialyltransferase									
GF200	241392	H91281	Hs.108677	Hs.108677				473.1642	-1.0047309
GF203	295713	N72705	Hs.15140	Hs.15140				473.1455	-2.5033682
GF203	814224	AA465228	Hs.19525	Hs.19525				472.9966	-1.398938
GF200	843110	AA488681	Hs.74576	Hs.74576		GDI1		472.897	-1.0742635
GF201	72666	T50389	Hs.110221	Hs.173518		LOC51663		472.8433	
GF201	75650	T58434	Hs.5301	Hs.5301				472.8135	
GF201	272706	N32295	Hs.34578	Hs.34578		ST3GALVI		472.7661	
SRB7 (suppressor of RNA polymerase B, yeast) homolog ESTs ESTs hydroxysteroid (17-beta) dehydrogenase 4 DKFP727C091 protein ESTs									
GF200	567265	AA130736	Hs.6967	Hs.250855		SURB7		472.7582	1.17030234
GF201	489373	AA058477	Hs.25557	Hs.25557				472.7129	
GF203	451616	AA707094	Hs.68835	Hs.192223				472.6754	-1.3252101
GF200	840606	AA488029	Hs.75441	Hs.75441		HSD17B4		472.616	-1.3236858
GF204	49505	H15570	Hs.26935	Hs.43141		DKFP727C091		472.4971	
GF201	430192	AA010328	Hs.39379	Hs.39379				472.4279	

APPENDIX A

GF200	196282	R92609	RG.13	Hs.174142	colony stimulating factor 1			
GF203	34901	R45114	Hs.91756	Hs.78006	receptor, formerly McDonough			
GF201	429165	AA005108	Hs.100748	Hs.100748	feline sarcoma viral (v-fms)	CSF1R	472.1628	-1.5174875
GF203	278556	N66167	Hs.129872	Hs.129872	oncogene homolog	DKFZP566A0946	472.1169	-1.4985473
GF203	267816	N25621	Hs.25771	Hs.170204	ESTs		472.0553	
GF202	609155	AA176867	Hs.109528	Hs.109528	sperm surface protein	HSS	472.0448	-1.5486404
					KIAA0551 protein	KIAA0551	471.9504	-1.0231407
					ESTs		471.9263	-1.5406952
					ESTs, Weakly similar to			
					similar to C.elegans			
					hypothetical protein			
					CET01H8.1,CEC05C12.3,CEF			
GF204	845352	AA644080	Hs.13322	Hs.13322	54D1.5. similar to trp and trp-		471.8126	
					like proteins [H.sapiens]			
GF200	363569	AA019996	Hs.109641	Hs.199248	prostaglandin E receptor 4	PTGER4	471.7942	-1.265743
					(subtype EP4)			
GF200	363569	AA019996	Hs.980	Hs.199248	prostaglandin E receptor 4	PTGER4	471.7942	-1.265743
					(subtype EP4)			
					ESTs, Weakly similar to			
					hypothetical protein			
GF201	254229	N22486	Hs.33688	Hs.269211	[H.sapiens]		471.7825	
GF203	179878	H52739	Hs.33856	Hs.33856	ESTs		471.6616	1.30815365
					ESTs, Highly similar to			
					proteine kinase JNK2 alpha1			
GF203	26185	R20616	Hs.115528	Hs.246857	[H.sapiens]		471.6324	1.04821269
GF203	1472698	AA873152	Hs.58512	Hs.81170	pim-1 oncogene	PIM1	471.6279	-1.1508635
GF203	199285	R95893	Hs.113960	Hs.113960	EST		471.3114	1.14789725
GF203	745273	AA625563	Hs.15526	Hs.182382	ESTs		471.0257	-2.1018124
					Homo sapiens mRNA; cDNA			
GF200	128208	R09815	Hs.112423	Hs.112423	DKFZp58611420 (from clone		470.9999	-1.3639977
					DKFZp58611420); partial cds			
					Homo sapiens cDNA			
GF202	837908	AA434090	Hs.93841	Hs.193326	FLJ20523 fis, clone KAT10456		470.9264	-2.0426718

Westbrook et al.

APPENDIX A

GF203	322192	W37780	Hs.23305	Hs.95549	hypothetical protein	FLJ20273	470.8978	-1.6543387
GF203	270537	N33229	Hs.120943	Hs.191343	ESTs		470.8245	-1.2406389
GF200	416833	W86653	Hs.41737	Hs.7557	FK506-binding protein 5	FKBP5	470.7282	-1.5313519
GF200	416833	W86653	Hs.7557	Hs.7557	FK506-binding protein 5	FKBP5	470.7282	-1.5313519
GF200	299388	N75595	Hs.82337	Hs.151734	nuclear transport factor 2	PP15	470.5976	1.11898356
GF202	810140	AA464245	Hs.20760	Hs.20760	(placental protein 15)	DKFZP564M182	470.5908	1.15927881
GF201	272073	N33383	Hs.43669	Hs.81505	DKFZP564M182 protein	KIAA0579	470.5229	
GF201	490482	AA101630	Hs.110308	Hs.82210	KIAA0579 protein	ZNF220	470.4312	
GF200	140000	R64066	Hs.28478	Hs.269210	zinc finger protein 220		470.3971	1.1100421
					ESTs			
					NADH dehydrogenase			
					(ubiquinone) 1 alpha			
GF203	291341	N72263	Hs.40893	Hs.198271	subcomplex, 10 (42kD)	NDUFA10	470.396	-1.8375017
GF203	126847	R07196	Hs.109381	Hs.109381	ESTs		470.3656	-1.2569131
GF201	277627	N45979	Hs.46571	Hs.46571	SH3 domain protein 1B	SH3D1B	470.346	
GF203	823881	AA490483	Hs.109067	Hs.269388	ESTs		470.3004	-1.852429
					solute carrier family 2			
					(facilitated glucose			
GF200	753467	AA406551	Hs.7594	Hs.7594	transporter), member 3	SLC2A3	470.1485	1.31491459
GF203	451816	AA706824	Hs.120952	Hs.191967	ESTs		470.1294	-1.3653595
GF202	594266	AA169606	Hs.72815	Hs.72815	ESTs		469.8208	-1.5214657
GF203	452512	AA778756	Hs.115322	Hs.191925	ESTs		469.803	-1.5914971
GF201	415619	W80741	Hs.37890	Hs.37890	ESTs		469.7249	
					arginine vasopressin receptor			
GF200	782789	AA448190	Hs.2131	Hs.2131	1A	AVPR1A	469.6902	-1.0809731
GF202	504810	AA152351	Hs.55896	Hs.55896	ESTs		469.5611	1.6356919
					isocitrate dehydrogenase 3			
GF200	810942	AA459380	Hs.75253	Hs.75253	(NAD+) gamma	IDH3G	469.5372	-1.2637557
					ubiquitin specific protease 13			
GF200	613126	AA211448	Hs.85482	Hs.85482	(isopeptidase T-3)	USP13	469.5065	-1.1148411
GF203	284220	N53534	Hs.51170	Hs.171763	CD22 antigen	CD22	469.4242	-2.1896192
GF202	566339	AA151852	Hs.22990	Hs.173091	ubiquitin-like 3	UBL3	469.422	-1.1296352
					proline synthetase co-			
					transcribed (bacterial			
GF202	840808	AA486104	Hs.100624	Hs.210749	homolog)	PROSC	469.255	-1.1401205

APPENDIX A

GF201	427750	AA001897	Hs.95006	Hs.1985	spectrin, alpha, erythrocytic 1 (elliptocytosis 2) solute carrier family 22 (organic cation transporter), member 4 muscle-specific protein eukaryotic translation initiation factor 4B ESTs	SPTA1	469.2242	
GF203	257135	N26836	Hs.77239	Hs.77239		SLC22A4	469.0743	-1.6814025
GF200	382773	AA064973	Hs.91217	Hs.42346		LOC51778	468.9631	-1.2118413
GF203	897215	AA677504	Hs.7127	Hs.93379		EIF4B	468.9498	1.03091901
GF201	281870	N51838	Hs.24218	Hs.24218			468.8196	
GF203	291426	N67766	Hs.7218	Hs.7218	Human DNA sequence from clone RP4-568C11 on chromosome 20p11.21-11.23. Contains the CST7 gene for cystatin F (leukocystatin), the gene for a novel protein similar to worm, plant and fly proteins, the 3' end of the gene for a novel AMP-binding enzyme		468.665	-1.2535819
GF201	810603	AA464736	Hs.26812	Hs.26812	simil ESTs		468.6347	
GF200	293676	N94270	Hs.49729	Hs.236510	ESTs, Moderately similar to PFT27 [M.musculus]		468.5753	-1.3656214
GF201	357138	W93523	Hs.103247	Hs.137383	ESTs		468.5533	
GF200	271985	N42770	Hs.2053	Hs.2053	tyrosinase (oculocutaneous albinism IA) protein kinase, cAMP-dependent, regulatory, type II, alpha nuclear autoantigen retinoid X receptor, beta ESTs	TYR	468.5358	-1.0023546
GF202	743739	AA634287	Hs.116041	Hs.8454		PRKAR2A	468.516	-2.1533207
GF200	767994	AA418918	Hs.2429	Hs.183105		GS2NA	468.312	-1.1844377
GF200	177621	H42247	Hs.79372	Hs.79372		RXRIB	468.2139	-1.8171393
GF203	665316	AA195318	Hs.63311	Hs.63311			468.2021	-2.7550046
GF201	276911	N34945	Hs.44354	Hs.202362	ESTs, Weakly similar to acetyl-CoA carboxylase [H.sapiens]		468.0619	
GF203	29093	R41169	Hs.21641	Hs.21641	EST		467.942	-1.1742463

APPENDIX A

GF203	72969	T56470	Hs.119190	Hs.172216	chromogranin A (parathyroid secretory protein 1)	CHGA	467.7384	-1.1810332
GF201	415388	W80489	Hs.18573	Hs.18573	acylphosphatase 1,	ACYP1	467.5625	-1.0377587
GF200	66532	T67005	Hs.1408	Hs.1408	erythrocyte (common) type endothelin 3	EDN3	467.4836	
GF201	287728	N59158	Hs.46608	Hs.46608	ESTs		467.4152	
GF201	782721	AA447985	Hs.55287	Hs.55287	ESTs		467.3872	
GF202	950781	AA608646	Hs.3991	Hs.3991	ESTs		467.319	-2.507145
GF203	436059	AA700815	Hs.131791	Hs.186937	ESTs		467.1754	1.08782014
GF203	178524	H47048	Hs.33314	Hs.33314	ESTs		467.1066	-2.3865428
					heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)			
GF200	121621	T97593	Hs.103804	Hs.103804		HNRPU	467.0405	-1.1499445
					Human Chromosome 16 BAC clone CIT987SK-A-211C6			
GF203	276962	N39229	Hs.28607	Hs.28607	inositol polyphosphate-1-phosphatase		466.9973	-2.515522
GF200	180803	H52141	Hs.32309	Hs.32309	ESTs, Moderately similar to pig-c protein [H.sapiens]	INPP1	466.8118	-1.7075981
GF203	399049	AA732983	Hs.120329	Hs.47974	ESTs		466.7734	-1.5694951
GF201	50559	H16790	Hs.7948	Hs.7948	BRCA1 associated RING domain 1		466.7201	
GF201	430928	AA678295	Hs.54089	Hs.54089	EST, Weakly similar to 40S RIBOSOMAL PROTEIN S15A [H.sapiens]	BARD1	466.5863	
GF202	291633	N73448	Hs.50272	Hs.50272	ESTs		466.5083	-1.110405
GF203	785610	AA449455	Hs.27004	Hs.27004	ESTs		466.2709	-2.2487003
GF203	726821	AA398341	Hs.124067	Hs.178121	KIAA0626 gene product	KIAA0626	466.2136	1.46974145
GF203	825461	AA504354	Hs.110571	Hs.110571	DKFZP566B133 protein	DKFZP566B133	466.151	-1.8950403
GF200	249688	H84153	Hs.75586	Hs.75586	cyclin D2	CCND2	466.1366	-1.3081587
					Homo sapiens mRNA for KIAA1223 protein, partial cds		465.7993	-1.4587032
GF203	726599	AA397920	Hs.28783	Hs.28783	procollagen-lysine, 2-			
GF201	810928	AA459305	Hs.6652	Hs.153357	oxoglutarate 5-dioxygenase 3	PLOD3	465.7287	
GF201	298610	N74284	Hs.60580	Hs.60580	zinc finger protein	ZF5128	465.5798	
GF201	67318	T49222	Hs.8957	Hs.8957	ESTs		465.4785	

## APPENDIX A

GF200	295889	N67017	Hs.78369	Hs.2798	leukemia inhibitory factor receptor	LIFR	465.2937	1.35710462
GF201	505047	AA150891	Hs.71924	Hs.78521	ESTs		465.1268	
GF201	283739	N52970	Hs.107165	Hs.8997	heat shock 70kD protein 1	HSPA1A	465.0313	
					ESTs, Moderately similar to !!!!			
					ALU SUBFAMILY SX			
					WARNING ENTRY !!!!			
GF200	109271	T81261	Hs.14842	Hs.268986	[H.sapiens]		465.0069	1.16746218
GF201	376476	AA041362	Hs.42654	Hs.184697	plexin C1	PLXNC1	464.9855	
GF201	269224	N24715	Hs.41322	Hs.41322	ESTs		464.8755	
					CD36 antigen (collagen type I receptor, thrombospondin			
GF200	243816	N39161	Hs.75613	Hs.75613	receptor)	CD36	464.8492	1.25197371
GF200	51916	H22563	Hs.74014	Hs.245990	EST		464.7125	1.26333387
					protein tyrosine phosphatase			
GF201	73638	T55728	Hs.11015	Hs.82911	type IVA, member 2	PTP4A2	464.6739	
					fibrinogen, gamma polypeptide FG		464.5826	-1.5478087
GF201	119882	T94626	Hs.75431	Hs.75431	X-prolyl aminopeptidase			
GF201	795191	AA453477	Hs.56542	Hs.56542	(aminopeptidase P)-like	XPNPEPL	464.516	
GF204	436435	AA699633	Hs.124146	Hs.269543	ESTs		464.4818	
GF200	213280	H69834	Hs.77741	Hs.77741	kininogen	KNG	464.4276	-1.1684732
GF201	376551	AA041476	Hs.82664	Hs.82664	ETAA16 protein	ETAA16	464.4206	
GF202	416745	W86575	Hs.58875	Hs.58875	ESTs		464.4155	-1.5222912
					Homo sapiens Mut S homolog			
					5 gene, partial cds; and			
					NCC27, NG30, NG31, NG24,			
					NG25, NG32, NG26, NG33,			
					casein kinase II beta subunit,			
					BAT4, NG34, Apo M, BAT3,			
					BAT2, AIF-1, 1C7, LST-1,			
					lymphotoxin beta, tumor			
					necrosis factor, and			
GF201	795735	AA460293	Hs.15802	Hs.247478	lymphotoxin alpha genes, com		464.3617	
GF202	278545	N66169	Hs.49135	Hs.49135	EST		464.3567	1.60938291

Westbrook et al.

APPENDIX A

GF201	795876	AA460140	Hs.99423	Hs.99423	ATP-dependent RNA helicase ROK1 ESTs Homo sapiens hair and skin epidermal-type 12- lipoxigenase-related protein (ALOX12E) mRNA, complete pseudogene sequence Homo sapiens cDNA FLJ11034 fis, clone PLACE1004258 chromosome 19 open reading frame 3 ESTs ESTs ESTs EST ESTs ESTs, Weakly similar to putative p150 [H.sapiens] STAT induced STAT inhibitor- 2 retinoid X receptor, alpha ESTs ESTs, Highly similar to heme- binding protein [H.sapiens] KIAA0630 protein ESTs ESTs ESTs laminin, alpha 3 (nicein (150kD), kalinin (165kD), BM600 (150kD), epilegrin) polymyositis/scleroderma autoantigen 1 (75kD) cysteine desulfurase	464.3372	1.18509734		
GF203	435658	AA701289	Hs.20007	Hs.20007		464.3193			
GF201	755630	AA419264	Hs.88844	Hs.88844		464.2739			
GF200	110198	T71382	Hs.13820	Hs.31718		464.2678			
GF201	770614	AA434159	Hs.103927	Hs.6454	C19ORF3 ESTs ESTs ESTs EST ESTs	464.0149	-2.0032995		
GF201	505064	AA150896	Hs.23012	Hs.23012		464.0102		1.11792646	
GF201	298936	N71147	Hs.44882	Hs.44882		464.0024			-1.6060296
GF203	178324	H46768	Hs.31524	Hs.31524		463.8483			
GF203	30207	R40231	Hs.91381	Hs.91381	463.815	1.06632622			
GF203	34966	R44428	Hs.22801	Hs.22801	463.7592		1.06632622		
GF203	739257	AA421352	Hs.125142	Hs.268026	463.6187			1.06632622	
GF201	491121	AA137031	Hs.110776	Hs.110776	463.4656				-2.1398158
GF203	812994	AA464615	Hs.20084	Hs.20084	463.3857	-1.2412921			
GF203	384116	AA702561	Hs.118152	Hs.118152	463.2225		-1.1732291		
GF202	730346	AA469923	Hs.108675	Hs.108675	463.2112			-1.1100249	
GF200	292749	N80491	Hs.12709	Hs.12259	463.1817				-1.2178132
GF200	204638	H56931	Hs.37380	Hs.37380	463.157	1.15164178			
GF203	452570	AA778916	Hs.122071	Hs.222048	463.0299		1.15164178		
GF201	276523	N34849	Hs.23850	Hs.23850	462.9996			1.15164178	
GF201	362059	AA001432	Hs.83450	Hs.83450	462.9491				1.04697562
GF200	814270	AA458994	Hs.91728	Hs.91728	462.8485	-1.1759652			
GF203	129664	R16676	Hs.113309	Hs.194692	462.6361		-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		
								-1.1759652	
									-1.1759652
						-1.1759652			
							-1.1759652		



Westbrook et al.

## APPENDIX A

GF201	772425	AA405569	Hs.418	fibroblast activation protein, alpha; seprase	FAP	462.5822
GF203	220395	H87246	Hs.31236	ESTs, Weakly similar to		-1.4228282
GF201	489691	AA099709	Hs.50344	Unknown [H.sapiens]		462.3831
GF202	1055530	AA620807	Hs.112909	ESTs		-2.1131809
GF203	682984	AA211855	Hs.86512	EST		-1.7624165
GF201	260965	H98086	Hs.42414	methylmalonyl Coenzyme A mutase	MUT	461.9932
				ESTs		
				Homo sapiens mRNA; cDNA		
GF204	824665	AA482278	Hs.14846	DKFZp564D016 (from clone DKFZp564D016)		461.9495
				Homo sapiens cDNA		
GF201	504308	AA131909	Hs.14559	FLJ10540 fis, clone		461.8604
GF201	725395	AA292074	Hs.12158	NT2RP2001245		461.7336
				ubiquitin-conjugating enzyme	UBE2L6	
GF200	51737	H23021	Hs.29287	E2L 6		461.6815
				retinoblastoma-binding protein	RBBP8	1.29023933
				8		
GF201	856489	AA633549	Hs.2934	ribonucleotide reductase M1		461.6779
GF201	795274	AA454012	Hs.66219	polypeptide	RRM1	461.6573
				ESTs		
GF200	486279	AA044205	Hs.62663	eukaryotic translation initiation	EIF4B	1.30425811
GF201	82173	T68845	Hs.11902	factor 4B	MYLE	461.5789
				MYLE protein		
				beta-1,3-glucuronyltransferase		
GF202	898145	AA598504	Hs.3353	1 (glucuronosyltransferase P)	B3GAT1	461.4412
				signal transducer and activator		
				of transcription 6, interleukin-4		
				induced	STAT6	461.1595
GF201	85541	T72202	Hs.181015	Homo sapiens mRNA for		
GF200	66815	T64956	Hs.152925	KIAA1268 protein, partial cds		1.08728844
GF203	41903	R60705	Hs.124955	hair/enhancer-of-split related		-1.4830608
GF201	34449	R44164	Hs.23014	with YRPW motif 1	HEY1	460.7869
				ESTs		460.7115

APPENDIX A

GF200	123730	R01281	Hs.19126	Hs.19126	src kinase-associated phosphoprotein of 55 kDa	SKAP55	460.5263	-1.1764864
GF201	795817	AA461501	Hs.21968	Hs.182740	ribosomal protein S11	RPS11	460.4865	
					ESTs, Weakly similar to !!!!			
					ALU SUBFAMILY SB2			
					WARNING ENTRY !!!!			
GF200	361097	AA017199	Hs.118797	Hs.15617	[H.sapiens]		460.4752	-1.4812125
GF200	136856	R36207	Hs.25092	Hs.25092	ESTs		460.419	-1.8410979
					ESTs, Moderately similar to			
					metargidin precursor			
GF202	811867	AA454963	Hs.32196	Hs.32196	[H.sapiens]		460.2249	1.06579862
GF200	40721	R55750	Hs.26455	Hs.26455	ESTs		460.0121	-1.0015679
GF203	767328	AA418486	Hs.98299	Hs.231111	EST		459.8333	-1.5459401
GF201	342720	W68396	Hs.79025	Hs.79025	KIAA0096 protein	KIAA0096	459.8269	
					immunoglobulin kappa			
GF200	236305	H62115	Hs.85265	Hs.156110	variable 1D-8	IGKV1D-8	459.803	-1.3685046
GF200	244227	N52994	Hs.42179	Hs.42179	KIAA1286 protein	KIAA1286	459.7687	1.02417763
					Homo sapiens mRNA; cDNA			
GF200	212542	H68663	Hs.107207	Hs.21851	DKFZp586J2118 (from clone		459.7379	-2.1030741
GF203	878411	AA670356	Hs.61268	Hs.61268	DKFZp586J2118)		459.6698	-1.5539507
					ESTs			
					Human DNA sequence from			
					clone 167A19 on chromosome			
					1p32.1-33. Contains three			
					genes for novel proteins, the			
					DIO1 gene for type I			
					iodothyronine deiodinase (EC			
					3.8.1.4, TXD11, ITD11) and an			
					HNRNP A3 (Heterogenous			
					Nuclear Ribonucleoprotein A3,			
					FBRNP) pseudogene			
GF200	240637	H90225	Hs.40094	Hs.40094	ESTs		459.6648	-1.5874213
GF203	413089	AA707806	Hs.121234	Hs.222052	hect domain and RLD 3	HERC3	459.3266	-2.5140763
GF200	704697	AA282253	Hs.35804	Hs.35804	electron-transfer-flavoprotein,		459.0639	1.259775
					beta polypeptide	ETFB		
GF201	85609	T62040	Hs.5843	Hs.74047			458.7394	

Westbrook et al.

APPENDIX A

GF202	743169	AA401406	Hs.97736	Hs.201525	Homo sapiens mRNA full length insert cDNA clone	458.613	-1.8347928
GF201	34007	R44544	Hs.22277	Hs.113314	EUROIMAGE 743169	458.2713	
GF203	190972	H37909	Hs.107680	Hs.107680	ESTs	458.2575	-1.418497
GF201	306575	N94820	Hs.66713	Hs.66713	hepatitis delta antigen-interacting protein A	458.2506	
GF203	174311	H23959	Hs.31696	Hs.31696	Homo sapiens cDNA		
GF203	30082	R40105	Hs.21842	Hs.21842	FLJ10907 fis, clone	458.1391	-1.2088986
					OVARC1000060	458.1095	-2.5369748
					EST		
GF201	83444	T68568	Hs.952	Hs.952	solute carrier family 10 (sodium/bile acid cotransporter family), member 1	458.0662	
GF201	428056	AA001658	Hs.16129	Hs.16129	ESTs	458.0582	
GF201	586731	AA130671	Hs.6354	Hs.6354	stromal cell derived factor receptor 1	457.9616	
GF203	44278	H06517	Hs.83097	Hs.83097	ESTs	457.9187	-1.8479662
GF202	505376	AA155748	Hs.103896	Hs.103896	ESTs	457.8888	1.17771101
GF200	128993	R10311	Hs.20586	Hs.188635	ESTs	457.7824	1.6393599
GF201	782768	AA448161	Hs.65407	Hs.65407	ESTs	457.7169	
GF200	202795	H53964	Hs.36835	Hs.144168	EST	457.6759	1.21141896
GF201	455115	AA676802	Hs.117005	Hs.117005	sialic acid binding Ig-like lectin 5	457.6391	
GF201	379200	AA683550	Hs.77297	Hs.182018	interleukin-1 receptor-associated kinase 1	457.4923	
GF203	686081	AA262719	Hs.35	Hs.35	protein tyrosine phosphatase, non-receptor type 7	457.4821	-1.3219389
GF203	293243	N68686	Hs.49559	Hs.173946	Homo sapiens cDNA		
GF203	815046	AA465158	Hs.99631	Hs.192861	FLJ10486 fis, clone	457.4066	1.02244782
GF201	68259	T56874	Hs.3862	Hs.3862	NT2RP2000205		
					Spi-B transcription factor (Spi-1/PU.1 related)	457.2715	-2.7893615
					DKFZP434D222 protein	457.1685	
					SPIB		
					DKFZP434D222		

Westbrook et al.

## APPENDIX A

GF202	509462	AA056377	Hs.62711	Hs.62711	ESTs	456.9501	-1.0856775
					Homo sapiens mRNA; cDNA DKFZp434O1230 (from clone DKFZp434O1230); partial cds		
GF201	359269	AA016225	Hs.93386	Hs.7517	KIAA1128 protein	456.8716	1.36183161
GF200	563201	AA114106	Hs.81897	Hs.81897	ESTs	456.8369	-1.2199307
GF203	700517	AA291159	Hs.5724	Hs.5724	eukaryotic translation initiation factor 4B	456.7644	
GF200	356992	W92963	Hs.24003	Hs.93379	cytochrome P450, subfamily XXIV (vitamin D 24- hydroxylase)	456.5169	-2.2875623
GF202	266146	N21576	Hs.89663	Hs.89663	nescient helix loop helix 2	456.4312	-1.7829205
GF201	52881	H29557	Hs.46296	Hs.46296	Homo sapiens ornithine decarboxylase antizyme 2	456.3975	
GF200	66535	T67029	Hs.63977	Hs.74563	(OAZ2) mRNA, complete cds	456.2846	-1.2269077
GF200	26162	R39763	Hs.91343	Hs.91343	gamma-aminobutyric acid (GABA) A receptor, alpha 2	456.28	1.2705934
GF203	786534	AA452118	Hs.99264	Hs.222377	ESTs	456.1341	-1.5461776
GF202	1030729	AA608959	Hs.112620	Hs.112620	EST	456.0795	-1.7909642
GF201	281865	N51843	Hs.34246	Hs.34246	ESTs	455.9508	
					BUB3 (budding uninhibited by benzimidazoles 3, yeast)		
GF201	191904	H38804	Hs.107700	Hs.40323	homolog	455.9312	
					N-acetylglucosamine- phosphate mutase;		
GF201	428166	AA001870	Hs.39249	Hs.237323	DKFZP434B187 protein	455.7926	-2.5439348
GF203	38554	R49731	Hs.107883	Hs.107883	ESTs	455.7434	
					cytokine receptor-like molecule 9		
GF201	279150	N46830	Hs.44200	Hs.7120	ESTs	455.7104	
GF201	346643	W74636	Hs.23575	Hs.23575	Homo sapiens cDNA FLJ11008 fis, clone	455.693	
					PLACE1003100, moderately similar to HEP27 PROTEIN		
GF201	781295	AA429946	Hs.6318	Hs.6318		455.6149	

Westbrook et al.

APPENDIX A

ESTs, Highly similar to growth factor-responsive protein, vascular smooth muscle [R.norvegicus]				455.6051	
GF201	491311	AA150198	Hs.61514	Hs.18878	
calmodulin 2 (phosphorylase kinase, delta) CALM2				455.4614	-2.1845858
GF203	855707	AA663941	Hs.7614	Hs.182278	
carbohydrate (N-acetyl)glucosamine-6-O) CHST2				455.3933	-1.9655586
GF203	431301	AA682637	Hs.8786	Hs.8786	
GF201	782812	AA448251	Hs.21196	Hs.181315	
sulfotransferase 2 ESTs				455.3665	
immunoglobulin superfamily, member 4 IGSF4				455.2488	-1.4837018
ESTs, Weakly similar to homolog of Drosophila discs large protein, isoform 2					
GF200	111150	T84156	Hs.90383	Hs.66295	1.90072371
GF201	562811	AA086475	Hs.101299	Hs.101299	455.1851
GF200	211557	H56331	Hs.37297	Hs.37297	1.16370509
[H.sapiens] CUL5				455.0571	
cullin 5 ESTs					
origin recognition complex, subunit 3 (yeast homolog)-like				454.9862	
GF201	260336	H99257	Hs.74420	Hs.74420	454.8711
GF201	416240	W85854	Hs.36337	Hs.20760	DKFZP564M182
DKFZP564M182 protein TATA box binding protein (TBP)-associated factor, RNA polymerase II, J, 20kD					
GF200	509588	AA045587	Hs.82037	Hs.82037	1.16408237
GF201	281881	N51853	Hs.95822	Hs.150390	454.7319
zinc finger protein 262 a disintegrin and metalloprotease domain 10					
GF203	1336262	AA872057	Hs.35080	Hs.172028	454.6882
Homo sapiens mRNA; cDNA DKFZp434D0935 (from clone DKFZp434D0935)					
GF201	470144	AA029312	Hs.7200	Hs.7200	454.6758
S100 calcium-binding protein, beta (neural) S100B					
GF200	759948	AA424045	Hs.83384	Hs.83384	454.619
ESTs, Moderately similar to LIV-1 protein [H.sapiens]					
GF202	416978	W87533	Hs.94918	Hs.32699	454.4448
					-1.2799973
					-1.7963328

APPENDIX A

GF203	767262	AA418392	Hs.46784	Hs.46784	potassium large conductance calcium-activated channel, subfamily M, beta member 4 ESTs	KCNMB4	454.4311	-2.077297
GF202	253994	N22297	Hs.43134	Hs.180546			454.3614	1.0568771
GF203	767993	AA418829	Hs.90452	Hs.29759	RNA POLYMERASE I AND TRANSCRIPT RELEASE FACTOR	PTRF	454.348	-2.3474439
GF203	48277	H12264	Hs.21568	Hs.21568			454.2204	-1.653907
GF201	80574	T59678	Hs.56588	Hs.28564	Homo sapiens mRNA; cDNA DKFZp761E1824 (from clone DKFZp761E1824); partial cds	ZNF211	454.1604	1.29557833
GF202	288995	N62724	Hs.48614	Hs.48614			454.1015	
GF201	346947	W79396	Hs.77184	Hs.15110	zinc finger protein 211		453.8852	
GF200	267634	N34117	Hs.85181	Hs.85181	v-raf-1 murine leukemia viral oncogene homolog 1	RAF1	453.6461	-1.1776431
GF202	840884	AA482230	Hs.17147	Hs.17147	ESTs		453.6433	1.21286844
GF202	251877	H96673	Hs.108771	Hs.108771	ESTs		453.6235	-2.4260758
GF201	289055	N59835	Hs.102510	Hs.102510	ESTs		453.5463	
GF203	812161	AA456039	Hs.105421	Hs.105421	ESTs		453.5178	-2.0039965
GF203	682057	AA256468	Hs.88148	Hs.88148	ESTs		453.382	-2.4326495
GF201	811612	AA455013	Hs.107738	Hs.14235	Homo sapiens mRNA; cDNA DKFZp434I1820 (from clone DKFZp434I1820); partial cds		453.3307	
GF203	884892	AA669451	Hs.7838	Hs.7838	Human ring zinc-finger protein (ZNF127-Xp) gene and 5' flanking sequence	KIAA0937	453.3181	-1.5628706
GF201	366821	AA029444	Hs.58037	Hs.62264	KIAA0937 protein		453.188	
GF201	49595	H15274	Hs.30488	Hs.30488	DKFZP434F091 protein	DKFZP434F091	453.0437	
GF203	814427	AA458943	Hs.99739	Hs.99739	EST		453.0392	-1.3389452
GF200	144916	R78509	Hs.92287	Hs.92287	ESTs, Highly similar to INTERFERON-INDUCED GUANYLATE-BINDING	PROTEIN 1 [H.sapiens]	452.8781	-1.9034409
GF203	48060	H11631	Hs.22125	Hs.240905	ESTs		452.8601	-1.485557

APPENDIX A

				Homo sapiens cDNA			
				FLJ11184 fis, clone			
GF201	502891	AA135824	Hs.33214	PLACE1007507		452.8205	
GF201	362279	AA001222	Hs.334	Oncogene TIM	TIM	452.6263	
GF201	590148	AA156030	Hs.78743	zinc finger protein 131 (clone pHZ-10)	ZNF131	452.5118	
GF200	307553	N95249	Hs.78150	v-Ki-ras2 Kirsten rat sarcoma			-1.986071
GF201	428828	AA005254	Hs.23565	2 viral oncogene homolog	KRAS2	452.487	
				ESTs		452.4245	
				ESTs, Weakly similar to			
GF203	131094	R23246	Hs.127294	GOLIATH PROTEIN		452.3257	1.04177984
				[D.melanogaster]			
				ESTs, Weakly similar to			
				transposon LRE2 reverse			
				transcriptase homolog			
GF200	132524	R26693	Hs.23981	[H.sapiens]		452.317	1.15654382
				ESTs, Weakly similar to			
				INHIBITOR OF APOPTOSIS			
GF200	193394	H48099	Hs.65757	PROTEIN 1 [M.musculus]		452.3107	-2.4735486
GF201	271686	N35080	Hs.42221	ESTs		452.2847	
GF201	415264	W92011	Hs.82769	LGN protein	HSU54999	452.2218	
				Human translation initiation			
				factor eIF-2alpha mRNA,			
GF200	341942	W60015	Hs.6485	3'UTR		452.2013	1.2513322
				calcium channel, voltage-			
GF202	46238	H10665	Hs.100879	dependent, beta 1 subunit	CACNB1	452.071	-1.8582467
GF202	757173	AA496123	Hs.107305	ESTs		452.0054	1.1118205
				Cas-Br-M (murine) ectropic			
				retroviral transforming			
				sequence b	CBLB		
GF203	450949	AA704729	Hs.3144	ESTs		451.7605	-1.8386648
GF200	248020	N77731	Hs.35012	ESTs		451.6992	-1.8741513
GF201	49555	H15089	Hs.13628	ESTs		451.3515	
GF203	666359	AA232206	Hs.50743	ESTs		451.3433	-1.2931339
GF201	282688	N49949	Hs.46991	ESTs		451.2689	
GF203	290654	N71714	Hs.50074	ESTs		451.1246	-2.0917691
GF203	38029	R59371	Hs.26653	EST		451.0791	-1.0820316

Westbrook et al.

APPENDIX A

GF200	70827	T46924	Hs.75741	Hs.75741	amiloride binding protein 1 (amine oxidase (copper- containing))	ABP1	451.0735	1.08582872
GF202	731218	AA416724	Hs.82567	Hs.82567	ESTs		451.0629	-1.7755255
GF200	244391	N52837	Hs.37372	Hs.37372	ESTs		450.974	1.17479357
GF200	795178	AA453969	Hs.99881	Hs.99881	lactate dehydrogenase C	LDHC	450.8956	-1.2498719
GF201	366436	AA026388	Hs.34244	Hs.34244	ESTs		450.8091	
GF203	139892	R63865	Hs.28450	Hs.28450	ESTs, Highly similar to		450.6855	-1.444202
GF201	490925	AA136612	Hs.95793	Hs.95793	KIAA0772 protein [H.sapiens]		450.5899	
GF201	745003	AA626012	Hs.29222	Hs.29222	zinc finger protein 76	ZNF76	450.4583	
GF201	416679	W86510	Hs.16439	Hs.16439	(expressed in testis)		450.4351	
GF201	50354	H17804	Hs.30837	Hs.30837	ESTs		450.4071	
GF201	342181	W63749	Hs.79241	Hs.79241	B-cell CLL/lymphoma 2	BCL2	450.3767	1.02066126
GF200	42313	R60946	Hs.75323	Hs.75323	prohibitin	PHB	450.3258	1.02066126
GF200	42313	R60946	Hs.119103	Hs.75323	prohibitin	PHB	450.3258	1.02066126
GF203	884388	AA629554	Hs.12293	Hs.12293	ESTs		450.2459	1.12999262
GF203	130979	R22927	Hs.23438	Hs.23438	ESTs		449.9897	1.1577238
GF200	840978	AA486653	Hs.54457	Hs.54457	CD81 antigen (target of antiproliferative antibody 1)	CD81	449.9668	-2.0151478
GF203	131099	R23254	Hs.23490	Hs.243122	ESTs, Weakly similar to		449.9642	1.15011969
GF201	770518	AA434187	Hs.90272	Hs.226223	GERM CELL-LESS PROTEIN		449.8643	
GF200	173674	H22481	Hs.84154	Hs.84154	[D.melanogaster]	KIAA0618	449.8144	1.17710707
GF201	810459	AA457138	Hs.32659	Hs.32659	KIAA0618 gene product	NPTX1	449.8034	
GF202	511257	AA088722	Hs.21198	Hs.21198	neuronal pentraxin I			
GF203	726709	AA398267	Hs.31520	Hs.169624	ESTs		449.7464	1.12704597
GF202	781029	AA446032	Hs.99047	Hs.99047	translocase of outer mitochondrial membrane 70	TOMM70A	449.7164	-1.3531096
					(yeast) homolog A		449.5743	-1.5436651
					ESTs			
					EST			



Figure 1 consists of 12 sub-graphs (a-l) showing the time course of various physiological parameters over a 10-minute period. The parameters are: (a) HR (b/min), (b) SBP (mmHg), (c) DBP (mmHg), (d) MAP (mmHg), (e) SV (ml), (f) CO (l/min), (g) SVR (mmHg/l/min), (h) PVR (mmHg/l/min), (i) P (mmHg), (j) Vt (ml), (k) VE (l/min), and (l) PEEP (cmH2O). Each graph shows data for three conditions: Control (solid line), PEEP (dashed line), and PEEP+Vt (dotted line). The x-axis for all graphs is 'Time (min)' from 0 to 10. The y-axis scales vary for each parameter. In general, PEEP and PEEP+Vt show higher values for HR, SBP, DBP, MAP, SV, CO, and P compared to Control. PVR and PEEP remain relatively stable across conditions.

					Human DNA sequence from clone 989H11 on chromosome 22q13.1-13.2. Contains part of a novel gene, ESTs, GSSs and four putative CpG islands				
GF203	155532	R71669	Hs.129043	Hs.129043	histone acetyltransferase	MORF	449.5495	-1.4686432	
GF200	381166	AA057313	Hs.27590	Hs.27590				449.4525	-1.040634
GF200	345858	W77812	Hs.5370	Hs.166066	cisplatin resistance associated ESTs	CRA	449.4478	-1.1434161	
GF203	435846	AA701540	Hs.117357	Hs.188993				449.3266	-1.4072725
GF202	627112	AA190626	Hs.8150	Hs.3355	Homo sapiens mRNA for KIAA1331 protein, partial cds		449.2678	-2.1411951	
GF201	83549	T69603	Hs.1279	Hs.1279	complement component 1, r subcomponent	C1R	449.2456		
GF200	296198	N74383	Hs.36508	Hs.36508	Chediak-Higashi syndrome 1	CHS1	449.0493	-1.0126554	
GF201	305253	N95011	Hs.17757	Hs.17757	ESTs		448.7047		
GF201	782428	AA431423	Hs.90026	Hs.15087	KIAA0250 gene product	KIAA0250	448.6771		
GF201	429305	AA007434	Hs.17504	Hs.111515	DKFZP58611023 protein	DKFZP58611023	448.6194		
GF203	415610	W80730	Hs.28355	Hs.28355	ESTs		448.6106	-1.4257606	
GF201	502721	AA135958	Hs.106915	Hs.129467	ESTs		448.4442		
GF203	462007	AA780028	Hs.22111	Hs.22111	immunoglobulin superfamily, member 1	IGSF1	448.2214	-1.5861725	
GF201	795736	AA460285	Hs.99521	Hs.150490	FK506-binding protein 6 (36kD)	FKBP6	448.2206		
GF201	266586	N23009	Hs.43296	Hs.43296	ESTs		448.1874		
GF201	488839	AA046204	Hs.101834	Hs.174135	KIAA0117 protein	KIAA0117	448.1525		
GF200	204360	H57959	Hs.93221	Hs.93221	EST		448.0626	-1.5526582	
GF203	451557	AA707413	Hs.24267	Hs.18160	ESTs		447.9855	1.072450006	
GF203	825282	AA504201	Hs.26761	Hs.26761	DKFZP586L0724 protein	DKFZP586L0724	447.9654	-1.0423887	
GF200	306771	N91887	Hs.56145	Hs.56145	thymosin, beta, identified in neuroblastoma cells	TMSNB	447.7916	-1.5673196	
GF201	429848	AA009809	Hs.37599	Hs.37599	ESTs		447.7409		
GF200	841698	AA487582	Hs.8789	Hs.184161	exostoses (multiple) 1	EXT1	447.4601	-1.197187	
GF202	731108	AA421489	Hs.98352	Hs.98352	ESTs		447.4494	-2.0823166	
GF200	212180	H66943	Hs.91826	Hs.271907	acetyl-Coenzyme A transporter	ACATN	447.4017	-1.7068177	

APPENDIX A

GF201	809410	AA459896	Hs.25707	Hs.112078	KIAA0339 gene product Homo sapiens mRNA; cDNA	KIAA0339	447.3848	
GF202	730587	AA435977	Hs.47986	Hs.47986	DKFZp586H051 (from clone		447.3321	-1.1185942
GF203	713026	AA282554	Hs.89034	Hs.89034	DKFZp586H051)		447.3231	-1.3989937
GF200	810452	AA457118	Hs.76927	Hs.76927	ESTs translocase of outer mitochondrial membrane 34	TOM34	447.2804	-1.8553419
GF201	279253	N48582	Hs.40091	Hs.48541	Homo sapiens cDNA FLJ11294 fis, clone PLACE1009708		447.2228	
GF200	135941	R33537	Hs.24640	Hs.24640	sema domain, immunoglobulin domain (Ig), and GPI		447.0706	1.56678643
GF202	595813	AA176249	Hs.73372	Hs.73372	membrane anchor, (semaphorin) 7A	SEMA7A	447.0598	-1.6986593
GF201	491559	AA148548	Hs.85084	Hs.49881	ESTs fatty acid binding protein 3, muscle and heart (mammary-		446.7511	
GF200	232908	H73484	Hs.9601	Hs.62954	derived growth inhibitor)	FABP3	446.7224	-1.0137723
GF201	415764	W84750	Hs.58690	Hs.58690	ferritin, heavy polypeptide 1	FTH1	446.5534	
GF201	73725	T54617	Hs.9764	Hs.271837	ESTs		446.5302	
GF201	365706	AA025408	Hs.95120	Hs.95120	ESTs		446.4504	
GF202	366039	AA071503	Hs.112751	Hs.112751	ESTs		446.4031	-1.1432388
GF201	50513	H17509	Hs.26969	Hs.26969	ESTs		446.3771	
GF201	284001	N53380	Hs.2891	Hs.2891	protein kinase C, mu	PRKCM	446.2995	
GF201	249618	H84444	Hs.111485	Hs.11282	ESTs, Weakly similar to cleft lip and palate transmembrane protein 1 [H.sapiens]		446.1808	
GF200	752652	AA417665	Hs.19582	Hs.154485	transcription factor 7-like 2 (T- cell specific, HMG-box)	TCF7L2	446.1428	-1.6517094
GF203	383851	AA704670	Hs.120849	Hs.93379	eukaryotic translation initiation factor 4B	EIF4B	446.1002	-1.6214316
GF200	301082	N81036	Hs.91101	Hs.75262	cathepsin O	CTSO	446.0081	-1.9442435
GF201	241080	H91313	Hs.34577	Hs.171693	ESTs		445.898	

APPENDIX A

GF200	194214	R83270	Hs.90077	Hs.90077	TG-interacting factor (TALE family homeobox)		
GF203	754194	AA479135	Hs.65307	Hs.65307	ESTs		445.8671 445.7142
GF201	436062	AA700808	Hs.89866	Hs.89866	coproporphyrinogen oxidase (coproporphyrin)		
GF203	647767	AA205393	Hs.83135	Hs.83135	harderoporphyria)	CPO	445.5674
					p53-responsive gene 6	PRG6	445.5565
					core-binding factor, runt domain, alpha subunit 2;		
					translocated to, 1; cyclin D-related	CBFA2T1	
GF201	299721	N75054	Hs.76929	Hs.31551	ESTs		445.4542
GF203	824889	AA488898	Hs.99646	Hs.269373	ESTs		445.1606
GF200	296334	W03052	Hs.50500	Hs.163932	ESTs		444.9801
GF200	843028	AA488406	Hs.83401	Hs.155981	mesothelin	MSLN	444.9726
					Homo sapiens clone 23914		
GF201	212438	H63528	Hs.38861	Hs.177776	mRNA sequence		444.9629
					Homo sapiens cDNA		
GF203	293830	N63911	Hs.10657	Hs.180817	FLJ11058 fis, clone		
GF203	208720	H61007	Hs.117915	Hs.117915	PLACE1004736		444.8611
GF200	134783	R31701	Hs.82772	Hs.102756	ESTs		444.8344
					ESTs		444.817
					ESTs, Weakly similar to !!!		-1.8218214
					ALU SUBFAMILY SQ		-2.3312388
					WARNING ENTRY !!!!		1.25593532
GF203	210921	H69786	Hs.17348	Hs.17348	[H.sapiens]		
					extra spindle poles, S.		1.01413683
GF203	1416055	AA948058	Hs.23215	Hs.153479	cerevisiae, homolog of	KIAA0165	-2.4094701
					ESTs, Weakly similar to orf, len: 257, CAI: 0.13		
GF200	281125	N50948	Hs.98613	Hs.98613	[S.cerevisiae]		444.6804
GF202	240273	H89713	Hs.108653	Hs.108653	ESTs		444.675
					karyopherin alpha 3 (importin alpha 4)	KPNA3	
GF201	852829	AA668178	Hs.3886	Hs.3886			444.6141
GF200	234150	H66232	Hs.24843	Hs.141727	myotubularin related protein 4	MTMR4	444.5334
							-1.0307654

APPENDIX A

GF202	727147	AA398883	Hs.37104	Hs.227948	squamous cell carcinoma antigen 1	SCCA1	444.5038	-1.3493954
GF201	85804	T72068	Hs.12113	Hs.172674	nuclear factor of activated T-cells, cytoplasmic 3	NFATC3	444.4826	-1.4392526
GF203	41913	R59608	Hs.21435	Hs.21435	ESTs		444.4814	-1.5543664
GF202	346671	W74646	Hs.58405	Hs.58405	ESTs		444.1549	-1.2082642
GF202	773209	AA425743	Hs.98422	Hs.98422	ESTs		444.1376	
					Homo sapiens cDNA			
					FLJ10646 fis, clone			
					NT2RP2005773, highly similar to Homo sapiens pyrroline 5-carboxylate reductase isoform mRNA			
GF203	486348	AA044299	Hs.14214	Hs.274287	KIAA1093 protein	KIAA1093	444.1192	-2.0088456
GF203	433314	AA699725	Hs.117333	Hs.117333	ESTs		444.1179	-2.5330527
GF200	290054	N64671	Hs.34956	Hs.34956	discs, large (Drosophila)		444.0582	-1.3336923
GF200	26021	R39954	Hs.23731	Hs.23731	homolog 4	DLG4	444.022	-1.1739658
GF201	307249	N93438	Hs.54946	Hs.76907	ESTs, Highly similar to HSPC002 [H.sapiens]		443.9259	
					rcd1 (required for cell differentiation, S.pombe)			
GF200	877651	AA488188	Hs.94211	Hs.94211	homolog 1	RQCD1	443.8019	-1.1621284
GF201	811069	AA485454	Hs.99480	Hs.99480	ESTs		443.7332	
					Homo sapiens mRNA; cDNA			
GF202	490606	AA102837	Hs.45114	Hs.45114	DKFZp434H2218 (from clone DKFZp434H2218)		443.7024	-1.0347865
					Homo sapiens cDNA			
GF203	645166	AA206614	Hs.33368	Hs.33368	FLJ11091 fis, clone		443.6711	-1.7936655
					PLACE1005313			
GF201	278483	N66132	Hs.77358	Hs.180433	H.sapiens mRNA for rTS beta protein		443.6238	
GF201	430211	AA010210	Hs.47041	Hs.47041	ESTs		443.5482	
					STIP1 homology and U-Box containing protein 1	STUB1	443.5373	-1.2422293
GF203	878200	AA775749	Hs.25197	Hs.25197	ESTs		443.3629	
GF201	810303	AA463960	Hs.89107	Hs.186669				

APPENDIX A

GF202	742806	AA400200	Hs.19131	Hs.19131	transcription factor Dp-2 (E2F dimerization partner 2)	TFDP2	443.1347	-1.2035136
GF200	485989	AA040170	Hs.70390	Hs.251526	small inducible cytokine A7 (monocyte chemotactic protein 3)	SCYA7	443.1217	-1.4576612
GF202	627154	AA195449	Hs.32456	Hs.271934	translocase of inner mitochondrial membrane 9 (yeast) homolog	TIMM9	443.0679	1.11671317
GF203	726572	AA398121	Hs.97505	Hs.97505	ESTs		442.4024	-1.5129963
GF201	284541	N59441	Hs.39997	Hs.256398	Homo sapiens mRNA; cDNA DKFZp434E0528 (from clone DKFZp434E0528)		442.3752	
GF201	376080	AA040387	Hs.57922	Hs.57922	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound	XPNPEP2	442.3702	
GF200	840865	AA482328	Hs.75607	Hs.75607	myristoylated alanine-rich protein kinase C substrate (MARCKS, 80K-L)	MACS	442.297	-1.0870417
GF201	796694	AA460685	Hs.1578	Hs.1578	apoptosis inhibitor 4 (survivin)	API4	442.275	
GF200	197765	R93715	Hs.8078	Hs.8078	Homo sapiens mRNA; cDNA DKFZp586L081 (from clone DKFZp586L081)		442.1785	1.33073123
GF201	47793	H11730	Hs.23009	Hs.23009	ESTs		442.107	
GF201	295601	N68847	Hs.108275	Hs.108275	ESTs		441.9283	
GF203	431219	AA682522	Hs.117262	Hs.117262	ESTs		441.9211	-1.1203427
GF202	773421	AA426037	Hs.39725	Hs.274263	Homo sapiens cDNA FLJ10377 fis, clone NT2RM2001989, weakly similar to NUCLEOLAR PROTEIN NOP4		441.8703	-1.3342307
GF200	242820	H94050	Hs.15730	Hs.180859	katanin p60 (ATPase-containing) subunit A 1	KATNA1	441.8138	1.20457161
GF200	380394	AA047039	Hs.40546	Hs.155103	eukaryotic translation initiation factor 1A, Y chromosome	EIF1AY	441.7049	1.25785374
GF202	609161	AA167540	Hs.72713	Hs.72713	ESTs		441.5988	-1.8522122

APPENDIX A

GF202	742830	AA406048	Hs.97961	Hs.97961	ESTs	441.4704	-1.1700906
GF200	843139	AA485922	Hs.75856	Hs.166887	copine I	441.3577	1.4054711
GF203	825041	AA489211	Hs.105227	Hs.17200	hypothetical protein	441.0874	-1.3877712
GF202	301836	N91172	Hs.109652	Hs.99872	fetal Alzheimer antigen	440.9249	1.17012742
GF203	812240	AA455040	Hs.80924	Hs.184456	hypothetical protein	440.8901	-1.1782875
GF200	796181	AA461427	Hs.78501	Hs.78501	growth arrest-specific 6	440.8506	-1.0108308
GF200	32996	R19314	Hs.11802	Hs.278573	H-2K binding factor-2	440.843	-1.8675004
GF201	731106	AA421488	Hs.18803	Hs.169160	ESTs	440.8327	
GF203	813671	AA447768	Hs.21618	Hs.21618	ESTs	440.7982	-2.7293616
GF201	132165	R26172	Hs.106123	Hs.25615	YDD19 protein	440.7071	
					hHDC for homolog of		
GF202	511388	AA115400	Hs.6679	Hs.6679	Drosophila headcase	440.6257	-1.2459148
GF201	309591	N94428	Hs.25272	Hs.25272	E1A binding protein p300	440.5867	
GF201	416659	W86586	Hs.22137	Hs.22137	ESTs	440.5559	
GF203	884743	AA629584	Hs.77541	Hs.77541	ADP-ribosylation factor 5	440.5274	-1.8577033
					Homo sapiens clone 24411		
GF200	299737	N75064	Hs.20952	Hs.20952	mRNA sequence	440.5139	-1.5920145
GF203	813284	AA455933	Hs.41324	Hs.41324	ESTs	440.3434	-1.9012034
GF203	160192	H21892	Hs.84630	Hs.84630	ESTs	440.3222	-1.2712419
GF203	811883	AA454642	Hs.99376	Hs.99376	ESTs	440.2504	-2.2092651
					steroidogenic acute regulatory		
GF203	859858	AA679454	Hs.3132	Hs.3132	protein	440.2458	-1.5712802
					signal recognition particle		
GF200	811842	AA443177	Hs.5171	Hs.237825	72kD	440.238	1.66909091
GF201	417318	W89128	Hs.19872	Hs.19872	ESTs	440.173	
GF203	754367	AA436158	Hs.104404	Hs.190013	ESTs	440.062	1.04167658
					Homo sapiens cDNA		
GF200	240748	H91337	Hs.29106	Hs.29106	FLJ20376 fis, clone	440.061	1.25113137
					HUV01087		
GF201	757873	AA442853	Hs.2869	Hs.2869	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	440.0161	
					Homo sapiens mRNA; cDNA		
GF202	324154	W46632	Hs.109900	Hs.8518	DKFZp586L1722 (from clone DKFZp586L1722)	439.9892	-1.8539926

APPENDIX A

GF200	207649	H60351	Hs.22017	Hs.15978	Homo sapiens cDNA FLJ11349 fis, clone PLACE400650, weakly similar to TUBERIN proteasome (prosome, macropain) activator subunit 2 (PA28 beta) ESTs	439.8443	1.25565186
GF200	210405	H65395	Hs.77022	Hs.179774	PSME2	439.7794	-1.0880759
GF200	240199	H89637	Hs.18653	Hs.18653		439.6983	1.27901684
GF200	138021	R63197	Hs.4046	Hs.265960	Homo sapiens cDNA FLJ10563 fis, clone NT2RP2002769	439.4774	-1.1156753
GF203	435432	AA701475	Hs.124701	Hs.269551	ESTs	439.4518	-1.827541
GF203	44377	H06497	Hs.101654	Hs.101654	ESTs	439.2344	-1.5834266
GF203	768495	AA495984	Hs.102630	Hs.102630	ESTs	439.1821	-1.3410251
GF203	277761	N49605	Hs.29672	Hs.29672	ESTs	439.1004	-2.0176486
GF200	343167	W67309	Hs.44997	Hs.5025	neulette	439.0754	1.26092574
GF203	726817	AA398340	Hs.111893	Hs.191827	ESTs	438.9841	1.29592922
GF202	254029	N22323	Hs.23643	Hs.23643	serine/threonine protein kinase MASK	438.9102	-1.4867017
GF202	843098	AA488676	Hs.79516	Hs.79516	brain acid-soluble protein 1	438.9	-2.1847176
GF201	220244	H82104	Hs.40348	Hs.201064	ESTs	438.7343	
GF201	80226	T64216	Hs.11408	Hs.11408	Homo sapiens cDNA FLJ20435 fis, clone KAT03864 chromosome 1 open reading frame 2	438.611	
GF201	47665	H11464	Hs.19554	Hs.19554	thrombospondin 1	438.5543	-1.3065325
GF203	395625	AA757604	Hs.13096	Hs.87409	DKFZP564M182 protein	438.5052	
GF201	428048	AA002061	Hs.22523	Hs.20760	ESTs	438.4936	
GF202	129098	R10872	Hs.114146	Hs.188528	ESTs	438.41	1.33614067
GF202	365551	AA009615	Hs.60299	Hs.257808	ESTs	438.2771	-1.5044593
GF200	340644	W56709	Hs.832	Hs.184908	integrin, beta 8	438.2763	-1.4677965
GF201	771165	AA429474	Hs.79244	Hs.79244	ESTs	438.2068	
GF200	210610	H66030	Hs.97437	Hs.97437	centrosomal protein 1	438.1919	-1.3743959
GF203	1325615	AA875893	Hs.87157	Hs.182490	leucine-rich protein mRNA	438.1223	-1.5788835
GF202	344721	W74673	Hs.58412	Hs.58412	CLONE-23970	438.0936	1.05309544

Westbrook et al.

APPENDIX A

GF203	399115	AA733033	Hs.129053	Hs.129053	ESTs, Highly similar to notch protein homolog TAN-1 precursor [H.sapiens]	438.0525	1.2410924
GF200	142944	R71124	Hs.10784	Hs.10784	Homo sapiens cDNA FLJ20037 fis, clone COL00314	437.9983	1.99668858
GF200	208531	H61979	Hs.7994	Hs.7994	Homo sapiens cDNA FLJ20551 fis, clone KAT11656	437.9778	1.2770432
GF200	194986	R88741	Hs.16939	Hs.91065	ESTs, Moderately similar to proliferation potential-related protein [M.musculus]	437.6899	1.24600108
GF200	214731	H73731	Hs.6447	Hs.174174	KIAA0601 protein	437.6876	-1.3689576
GF203	896949	AA779417	Hs.11899	Hs.11899	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	437.4749	-2.3913345
GF200	51408	H19439	Hs.75368	Hs.156007	Down syndrome candidate region 1-like 1	437.4112	1.35042427
GF203	306798	N91896	Hs.107474	Hs.107474	NGFI-A binding protein 1 (ERG1 binding protein 1)	437.4102	-1.4136416
GF203	684539	AA251026	Hs.110702	Hs.110702	Homo sapiens mRNA; cDNA DKFZp761E212 (from clone DKFZp761E212)	437.3753	1.85512064
GF200	362853	AA019459	Hs.82643	Hs.82643	protein tyrosine kinase 9	437.3176	-1.805142
GF200	121558	T97910	Hs.18184	Hs.145643	ESTs, Highly similar to unknown [H.sapiens]	437.2569	-1.4473506
GF200	203805	H56424	Hs.37304	Hs.268927	ESTs	437.2165	1.28961406
GF202	41842	R52681	Hs.106433	Hs.106433	ESTs	437.1721	-1.3390279
GF202	51433	H20747	Hs.101760	Hs.101760	ESTs	437.1505	-1.162373
GF200	241988	H93814	Hs.8737	Hs.8737	Homo sapiens mRNA; cDNA DKFZp434J039 (from clone DKFZp434J039); partial cds	437.1404	1.72063026
GF202	593164	AA159600	Hs.32690	Hs.108332	ubiquitin-conjugating enzyme E2D 2 (homologous to yeast UBC4/5)	437.0733	-1.2629801
GF203	813608	AA447681	Hs.25501	Hs.111515	DKFZP58611023 protein	437.0283	-1.5440672
					UBE2D2		
					DKFZP58611023		



APPENDIX A

GF203	825394	AA504250	Hs.8084	Hs.8084	Human DNA sequence from clone 465N24 on chromosome 1p35.1-36.13. Contains two novel genes, ESTs, GSSs and CpG islands similar to yeast BET3 (S. cerevisiae)	436.9032	1.56286441
GF201	294580	N71050	Hs.90490	Hs.24391	ATP citrate lyase	436.7954	
GF201	502622	AA136054	Hs.22390	Hs.174140	ESTs	436.7587	
GF203	433465	AA699567	Hs.115547	Hs.189732	like mouse brain protein E46	436.6106	-2.663016
GF201	32889	R43701	Hs.4222	Hs.13493	ADP-ribosylation factor 1	436.4572	
GF200	124090	R02710	Hs.70144	Hs.74571	unc-51 (C. elegans)-like kinase 1	436.4514	-1.2616916
GF201	809727	AA455505	Hs.47061	Hs.47061	ESTs	436.1445	
GF200	154214	R51946	Hs.25560	Hs.25560	Homo sapiens mRNA; cDNA DKFZp434K1326 (from clone DKFZp434K1326)	435.9868	-1.1602722
GF201	346308	W74133	Hs.47125	Hs.47125	Homo sapiens cDNA FLJ20188 fis, clone COLF0561	435.9181	
GF200	135561	R32875	Hs.12439	Hs.12439	chromatin assembly factor 1, subunit B (p60)	435.8958	-1.4507274
GF200	756769	AA425120	Hs.75238	Hs.75238	KIAA0056 protein	435.8842	-1.3774381
GF200	770066	AA430545	Hs.13421	Hs.13421	Homo sapiens mRNA; cDNA DKFZp434L1850 (from clone DKFZp434L1850); partial cds	435.8347	-1.4714915
GF200	248288	N78092	Hs.15972	Hs.250517	ESTs	435.7915	-1.174683
GF200	814117	AA465386	Hs.5122	Hs.5122	ESTs	435.7058	1.19083384
GF200	120681	T95657	Hs.17650	Hs.268641	ESTs	435.6612	-1.0564001
GF203	364173	AA021434	Hs.109219	Hs.109219	retinal degeneration B beta	435.5806	1.08332875
GF201	428192	AA001712	Hs.58446	Hs.58446	ESTs	435.5349	
GF201	71730	T51229	Hs.9286	Hs.9286	ESTs	435.4633	
GF201	435076	AA701455	Hs.77204	Hs.77204	centromere protein F (350/400kD, mitotin)	435.373	
GF201					CENPF		

APPENDIX A

GF202	47950	H11625	Hs.6618	Hs.6618	Homo sapiens cDNA FLJ20782 fis, clone COL03841 electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II) ESTs, Highly similar to tyrosine phosphatase-like protein homolog hSTYXb [H.sapiens] EST	435.3659	1.62294541
GF200	71672	T58002	Hs.86499	Hs.169919	inositol 1,4,5-triphosphate receptor, type 1 tripeptidyl peptidase II Mouse Mammary Tumor Virus Receptor homolog actin-like 6 ESTs, Weakly similar to HYPOTHETICAL PROTEIN ZAP128 [H.sapiens] ESTs ESTs small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin) Rhesus blood group- associated glycoprotein Homo sapiens mRNA for TSC- 22-like protein ESTs amyloid beta (A4) precursor- like protein 2 hypothetical protein	435.1996	1.76654903
GF203	295880	N73506	Hs.50283	Hs.50283		435.1612	-2.8263277
GF203	41905	R59601	Hs.26679	Hs.26679		435.1263	-1.3308663
GF203	471725	AA035450	Hs.78433	Hs.198443		435.1247	-1.1833154
GF200	24085	T77959	Hs.1117	Hs.1117		435.114	-1.1084018
GF202	357450	W93891	Hs.18686	Hs.18686		435.0844	-1.1906429
GF202	753400	AA410394	Hs.31768	Hs.274350		435.0692	1.13224967
GF201	488202	AA046424	Hs.49433	Hs.49433		435.0664	
GF200	122963	R00220	Hs.51798	Hs.192868		435.063	1.40208326
GF203	753198	AA406348	Hs.47378	Hs.47378		434.9878	-1.1335444
GF201	140574	R66139	Hs.80420	Hs.80420		434.8712	
GF200	70489	T48949	Hs.77321	Hs.169536		434.7411	-1.0515689
GF200	341269	W58000	Hs.102447	Hs.102447		434.4725	1.11427491
GF203	726814	AA398319	Hs.97320	Hs.193398		434.3597	-1.3019626
GF200	240249	H89664	Hs.64797	Hs.64797		434.3237	-1.6010022
GF201	490147	AA120816	Hs.110252	Hs.93814		434.2492	

[illegible]

APPENDIX A

GF200	824895	AA488969	Hs.22656	Hs.154545	PDZ domain containing guanine nucleotide exchange factor(GEF)1; RA(Ras/Rap1A- associating)-GEF	KIAA0313	432.6272	-1.2805707
GF201	588829	AA156571	Hs.75102	Hs.75102	alanyl-tRNA synthetase	AARS	432.6151	
GF202	254533	N23858	Hs.43455	Hs.43455	ESTs		432.6052	-1.0522159
GF201	147050	R80217	Hs.735	Hs.196384	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	PTGS2	432.5289	
GF202	416316	W86182	Hs.5567	Hs.274459	pinin, desmosome associated protein	PNN	432.4706	1.15386402
GF203	814271	AA459002	Hs.18885	Hs.18885	ESTs, Highly similar to CGI- 116 protein [H.sapiens]		432.3991	-1.787523
GF201	502561	AA157017	Hs.103415	Hs.34174	ESTs		432.3522	
GF203	767459	AA418003	Hs.23141	Hs.170065	ESTs		432.3061	-1.9635837
GF200	138059	R52934	Hs.8562	Hs.153472	ESTs		432.2292	-1.4059837
GF202	589853	AA156109	Hs.66180	Hs.66180	nucleosome assembly protein	NAP1L2	432.1895	-1.9597279
GF203	431840	AA678047	Hs.117747	Hs.117747	1-like 2		432.1542	-1.0267928
GF203	746235	AA417759	Hs.60287	Hs.185739	ESTs		432.0971	-2.2743079
GF201	120390	T95839	Hs.17684	Hs.135292	ESTs		432.0543	
GF203	825005	AA489199	Hs.44198	Hs.44198	intracellular membrane- associated calcium- independent phospholipase A2	IPLA2(GAMMA)	432.0379	1.142197
GF201	344308	W70147	Hs.58068	Hs.58068	gamma		431.9602	
GF200	292388	N79230	Hs.4187	Hs.199695	ESTs		431.9187	-1.5725282
GF200	292388	N79230	Hs.234	Hs.199695	hypothetical protein	MAC30	431.9187	-1.5725282
GF203	139667	R63908	Hs.113663	Hs.113663	hypothetical protein	MAC30	431.8533	-2.5042734
GF201	195975	R91398	Hs.107842	Hs.269892	ESTs		431.8289	
GF201	415231	W91880	Hs.20039	Hs.20039	ESTs		431.7595	
GF200	841370	AA487739	Hs.79365	Hs.170197	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	GOT2	431.6309	-1.0631316

Westbrook et al.

## APPENDIX A

GF201	21922	T72535	Hs.12563	Hs.189825	ESTs	431.5486	
GF203	813737	AA453796	Hs.96908	Hs.96908	ESTs	431.3963	-1.3887772
GF202	280270	N47954	Hs.91991	Hs.219382	ESTs, Moderately similar to RB18A protein [H.sapiens]	431.3059	-1.6380164
GF203	208981	H63394	Hs.9451	Hs.9451	ESTs	431.2195	-1.8152412
GF203	742094	AA405754	Hs.7016	Hs.7016	ESTs	431.2104	1.51768677
GF202	813730	AA453783	Hs.76550	Hs.76550	Homo sapiens mRNA; cDNA DKFZp564B1264 (from clone DKFZp564B1264)	431.0658	-1.164188
GF201	366830	AA029441	Hs.32553	Hs.32553	ESTs	431.0439	
GF201	771128	AA429398	Hs.106594	Hs.77855	ESTs	430.936	
GF203	812261	AA455071	Hs.99391	Hs.99391	ESTs	430.8575	-1.8376716
GF200	448190	AA702174	RG.57	Hs.75263	apoptosis inhibitor 1 API1	430.685	1.34602291
GF200	194031	H51848	Hs.106095	Hs.106095	ESTs	430.6643	-1.5300514
GF200	42258	R60807	Hs.11700	Hs.11700	ESTs	430.6629	-1.2803052
GF201	151449	H03504	Hs.89834	Hs.155693	protein tyrosine phosphatase, non-receptor type 21 PTPN21	430.5602	
GF200	768496	AA425028	Hs.75995	Hs.185705	Epstein-Barr virus induced gene 3 EBI3	429.8122	1.08373725
GF203	825223	AA504137	Hs.13775	Hs.13775	ESTs	429.7986	1.07859245
GF201	51460	H20847	Hs.20986	Hs.22587	KIAA0923 protein KIAA0923	429.7651	
GF203	486186	AA040742	Hs.117176	Hs.117176	poly(A)-binding protein, nuclear 1 PABPN1	429.746	-1.3118135
GF202	279372	N48689	Hs.46519	Hs.46519	EST	429.7383	-1.0179607
GF201	290749	N71796	Hs.42866	Hs.266331	ESTs, Weakly similar to HIGH AFFINITY	429.5734	
GF200	840882	AA482325	Hs.74130	Hs.75984	IMMUNOGLOBULIN GAMMA FC RECEPTOR I "B FORM"		
GF202	80338	T65736	Hs.7833	Hs.7833	PRECURSOR [H.sapiens]		
					chorionic somatomammotropin hormone 1 (placental lactogen) CSH1	429.5697	1.17607118
					selenium binding protein 1 SELENBP1	429.5665	1.26406459

APPENDIX A

GF202	262262	H99362	Hs.42670	Hs.167660	EST		429.4617	-1.1437664
GF203	712230	AA280381	Hs.56273	Hs.20509	HBV pX associated protein-8	LOC51773	429.4366	-2.1164748
GF203	25664	R39924	Hs.78006	Hs.78006	DKFZP566A0946 protein	DKFZP566A0946	429.3391	-1.0089465
GF202	251961	H97508	Hs.93552	Hs.93552	ESTs		429.206	-1.9063383
					Homo sapiens mRNA; cDNA			
GF201	342399	W61323	Hs.25897	Hs.25897	DKFZp434A2410 (from clone		429.1794	
GF202	742706	AA400101	Hs.97745	Hs.97745	DKFZp434A2410); partial cds		429.0794	-1.9187484
GF201	245886	N55355	Hs.94062	Hs.269395	ESTs		429.0771	
GF203	221256	H89912	Hs.24821	Hs.15202	chimerin (chimaerin) 2	CHN2	428.9267	-1.2259576
GF203	450031	AA703378	Hs.59980	Hs.269568	ESTs		428.8492	-2.467892
GF202	510369	AA053665	Hs.20879	Hs.20879	hypothetical protein	LOC51058	428.7645	-1.2380707
GF203	47916	H11968	Hs.106942	Hs.193074	ESTs		428.7453	-1.8991609
GF201	427657	AA002153	Hs.34550	Hs.34550	ESTs		428.7227	
GF202	842848	AA486281	Hs.105237	Hs.129810	EST		428.6851	-1.2741139
GF201	417730	W88497	Hs.20152	Hs.20152	ESTs		428.6712	
					Homo sapiens cDNA			
GF201	811097	AA485675	Hs.23990	Hs.23990	FLJ20479 fis, clone KAT07382		428.6402	
GF203	811845	AA463643	Hs.104956	Hs.188835	ESTs		428.6184	-1.5208235
GF200	34302	R44999	Hs.78716	Hs.268711	ESTs		428.4899	-1.0148365
					v-ets avian erythroblastosis			
GF200	123755	R01304	Hs.45514	Hs.45514	virus E26 oncogene related	ERG	428.4883	-1.0875372
					gamma-aminobutyric acid			
GF200	28218	R40790	Hs.7195	Hs.7195	(GABA) A receptor, gamma 2	GABRG2	428.4475	1.29564162
					ESTs, Moderately similar to			
					orphan neurotransmitter			
GF201	428413	AA005387	Hs.59260	Hs.59260	transporter NTT5 [H.sapiens]		428.3195	
GF203	726621	AA398209	Hs.97587	Hs.97587	EST		428.2444	-1.567453
					placental growth factor,			
					vascular endothelial growth			
GF201	586803	AA130714	Hs.2894	Hs.2894	factor-related protein	PGF	428.0943	
					Homo sapiens mRNA for			
GF202	42776	R59694	Hs.21356	Hs.21356	KIAA1122 protein, partial cds		428.0184	-1.2859128
GF202	298603	N70608	Hs.49895	Hs.49895	ESTs		428.0087	1.51819366

APPENDIX A

GF203	396229	AA757847	Hs.121533	Hs.170156	KIAA0450 gene product	KIAA0450	427.978	-2.1549785
GF203	745314	AA625581	Hs.17368	Hs.17368	HIRIP5 protein	HIRIP5	427.9606	-1.3822076
GF203	31760	R43009	Hs.22303	Hs.22303	EST		427.9406	-1.7078418
GF202	262061	H99079	Hs.42622	Hs.42622	EST		427.8619	1.29183855
					chromosome 11 open reading			
GF200	363597	AA020011	Hs.46638	Hs.46638	frame 8	C11ORF8	427.861	1.21476981
GF200	824393	AA489714	Hs.29285	Hs.29285	ZYG homolog	ZYG	427.8592	1.27307562
GF201	121540	T97699	Hs.15864	Hs.15864	ESTs		427.8213	
					ESTs, Highly similar to			
					modulator recognition factor 2			
GF201	501540	AA135616	Hs.71587	Hs.269274	[H.sapiens]		427.7614	
					Homo sapiens cig5 mRNA,			
GF201	120600	T95113	Hs.17518	Hs.17518	partial sequence		427.7035	
					chromosome 11 open reading			
GF200	121533	T97899	Hs.27721	Hs.75859	frame 4	C11ORF4	427.5068	-1.6024228
					Homo sapiens cDNA			
GF201	502165	AA126862	Hs.16001	Hs.246885	FLJ20783 fis, clone		427.4456	
GF200	110912	T82948	Hs.15089	Hs.180024	COL03108		427.4448	-1.5501361
					ESTs			
					ESTs, Weakly similar to			
					similar to S. cerevisiae			
					longevity-assurance protein 1			
GF200	366341	AA025779	Hs.11896	Hs.11896	[C.elegans]		427.4446	-1.3936296
					Homo sapiens mRNA for			
GF201	82065	T68710	Hs.11894	Hs.153489	KIAA1146 protein, partial cds		427.3765	
					Homo sapiens mRNA; cDNA			
GF202	364324	AA022472	Hs.78524	Hs.78524	DKFZp434N1721 (from clone		427.3484	1.26717434
GF203	813641	AA447744	Hs.99141	Hs.99141	DKFZp434N1721)		427.3462	-1.0503946
					ESTs			
					Homo sapiens cDNA			
					FLJ20148 fis, clone			
					COL08032, highly similar to			
					ROL_HUMAN			
					HETEROGENEOUS			
					NUCLEAR			
GF201	256515	H95141	Hs.102354	Hs.91684	RIBONUCLEOPROTEIN L		427.2737	

APPENDIX A

GF202	629498	AA192765	Hs.65818	Hs.65818	ESTs	427.2707	1.61381266
GF200	700302	AA283693	Hs.95821	Hs.95821	osteoclast stimulating factor 1	427.1953	-1.4318917
GF203	287558	N62110	Hs.25413	Hs.25413	ESTs	427.1589	-1.3561731
GF203	752837	AA436384	Hs.13766	Hs.13766	ESTs	427.0734	-1.9327639
GF200	342994	W68009	Hs.12273	Hs.25615	YDD19 protein	426.9064	1.18110357
GF201	84141	T71042	Hs.12066	Hs.12066	ESTs	426.7996	
GF200	897880	AA598637	Hs.79150	Hs.79150	chaperonin containing TCP1,	426.5423	1.47862379
GF201	40229	R53064	Hs.22249	Hs.22249	subunit 4 (delta)	426.4935	
					ESTs		
					Homo sapiens mRNA full		
					length insert cDNA clone		
GF201	259374	N31952	Hs.34223	Hs.167531	EUROIMAGE 195423	426.3241	
GF201	66576	T67088	Hs.111573	Hs.13034	ESTs	426.2751	
GF202	343256	W67372	Hs.94780	Hs.8929	ESTs	426.198	-1.1142331
GF202	212698	H70491	Hs.114231	Hs.114231	C-type lectin-like receptor-2	426.0317	-1.181052
GF201	281371	N47886	Hs.14304	Hs.14304	ESTs	425.9541	
GF202	502603	AA134570	Hs.94769	Hs.94769	RAB23 protein	425.8669	-1.264664
GF201	124575	R01941	Hs.88219	Hs.88219	zinc finger protein 200	425.8317	
GF202	743405	AA609338	Hs.112694	Hs.112694	ESTs	425.5891	-2.5888304
GF201	346583	W74533	Hs.24212	Hs.24212	latrophilin	425.4901	
					5-hydroxytryptamine		
GF203	280371	N47111	Hs.46362	Hs.46362	(serotonin) receptor 2C	425.3172	-1.5108354
GF202	376086	AA040389	Hs.61993	Hs.61993	ESTs	425.3089	-1.9716231
GF203	825809	AA505135	Hs.44037	Hs.44037	ESTs	425.2544	-1.2785108
					tumor suppressing		
GF201	212115	H68885	Hs.8130	Hs.154036	subtransferable candidate 3	425.0947	
					protein phosphatase 2		
					(formerly 2A), catalytic subunit,		
GF200	823876	AA490696	Hs.80350	Hs.80350	beta isoform	425.0537	-1.5195231
GF201	487141	AA045340	Hs.106515	Hs.25615	YDD19 protein	425.0479	
					cyclin-dependent kinase		
GF201	854668	AA630082	Hs.3561	Hs.238990	inhibitor 1B (p27, Kip1)	425.0384	
					phosphatidylinositol-4-		
					phosphate 5-kinase, type I,		
GF201	24918	R39069	Hs.78406	Hs.78406	beta	425.0228	
					PIP5K1B		



Westbrook et al.

## APPENDIX A

GF200	740554	AA477165	Hs.1028	Hs.250613	radixin	RDX	424.9977	-2.1371049
GF201	49502	H15662	Hs.104717	Hs.104717	KIAA0291 protein	KIAA0291	424.8871	
GF203	42485	R59977	Hs.101263	Hs.101263	EST		424.8447	-1.8414358
GF200	37449	R35292	Hs.15346	Hs.15346	GAS2-related on chromosome 22	GAR22	424.7299	-1.0884869
GF202	811808	AA463469	Hs.3074	Hs.3074	ESTs, Highly similar to STEROL REGULATORY ELEMENT BINDING		424.57	-1.2484237
GF200	201274	R99407	Hs.12890	Hs.154248	PROTEIN-2 [H.sapiens]	KIAA0549	424.5603	1.04536331
GF203	813144	AA456284	Hs.43437	Hs.16218	KIAA0549 protein	KIAA0549	424.4773	-2.8097113
GF203	199027	H83123	Hs.40460	Hs.40337	KIAA0903 protein	KIAA0903		
GF201	133118	R26143	Hs.100955	Hs.100955	Homo sapiens cDNA FLJ11219 fis, clone PLACE1008122	KIAA0399	424.4366	-1.5072035
GF203	149596	H00313	Hs.28666	Hs.191268	KIAA0399 protein		424.3073	
GF200	112865	T87139	Hs.16075	Hs.111515	Homo sapiens mRNA; cDNA DKFZp434N174 (from clone DKFZp434N174)		424.1836	-1.1010466
GF201	361122	AA017379	Hs.430	Hs.430	DKFZP586I1023 protein	DKFZP586I1023	424.1823	1.20026044
					plastin 1 (l isoform)	PLS1	424.1323	
GF203	460395	AA677531	Hs.106534	Hs.106534	ESTs, Weakly similar to predicted using Genefinder [C.elegans]		423.9684	-1.4207792
GF200	811930	AA454662	Hs.2471	Hs.2471	KIAA0020 gene product	KIAA0020	423.912	1.23701413
GF200	66718	T64880	Hs.206	Hs.226307	phorbolin (similar to apolipoprotein B mRNA editing protein)	DJ742C19.2	423.8774	-1.4412916
GF201	77469	T58729	Hs.10444	Hs.93379	eukaryotic translation initiation factor 4B	EIF4B	423.6059	
GF203	815017	AA465150	Hs.5857	Hs.1116	lymphotoxin beta receptor (TNFR superfamily, member 3)	LTBR	423.4593	1.0917625
GF202	51485	H24018	Hs.31925	Hs.31925	EST		423.3766	-1.8817174
GF201	377671	AA055979	Hs.74369	Hs.74369	integrin, alpha 7	ITGA7	423.3659	
GF203	203858	H56152	Hs.117796	Hs.117796	ESTs		423.264	1.19341544

## APPENDIX A

GF200	184038	H30688	Hs.26915	Hs.26915	spectrin, beta, non-erythrocytic 2	SPTBN2	423.2446	-1.274444
GF201	300323	N79778	Hs.35094	Hs.35094	extracellular matrix protein 2, female organ and adipocyte specific ESTs	ECM2	423.2368	
GF203	128948	R10279	Hs.113200	Hs.113200			423.1498	1.02475779
GF203	430709	AA678092	Hs.119680	Hs.269527	ESTs, Weakly similar to contains similarity to bacterial mutT proteins [C.elegans]		423.0674	1.20884862
GF200	42313	R60946	Hs.75323	Hs.75323	prohibitin	PHB	422.9102	1.12391778
GF200	42313	R60946	Hs.119103	Hs.75323	prohibitin	PHB	422.9102	1.12391778
GF203	868838	AA775223	Hs.77348	Hs.77348	hydroxyprostaglandin dehydrogenase 15-(NAD)	HPGD	422.8896	-1.6932777
GF201	45852	H08862	Hs.26999	Hs.106794	KIAA0584 protein	KIAA0584	422.8799	
GF202	730737	AA435997	Hs.104930	Hs.104930	ESTs		422.827	-1.2660925
GF203	451504	AA707321	Hs.44499	Hs.274459	pinin, desmosome associated protein	PNN	422.7414	-1.8382083
GF203	454048	AA779321	Hs.89656	Hs.89656	tec protein tyrosine kinase	TEC	422.7337	-1.2747291
GF201	430073	AA010000	Hs.59159	Hs.59159	ESTs, Moderately similar to HPV16 E1 protein binding protein [H.sapiens]		422.4985	
GF203	491596	AA150183	Hs.8792	Hs.154248	KIAA0549 protein	KIAA0549	422.493	-1.2158728
GF200	811911	AA456271	Hs.6106	Hs.6106	RNA binding motif protein 4	RBM4	422.4595	-1.1934133
GF201	809437	AA458464	Hs.78389	Hs.178576	Human DNA sequence from clone 633O20 on chromosome 20q11.23-12 Contains 5' end of a gene similar to Bos taurus P14 protein, ESTs, CA repeat(D20S859), STSs and GSSs		422.3361	
GF203	268837	N26008	Hs.102421	Hs.136005	ESTs		422.3148	-2.9095012
GF201	202814	H53602	Hs.36802	Hs.5476	serine protease inhibitor, Kazal type, 5	SPINK5	422.2449	
GF203	289027	N59827	Hs.24643	Hs.24643	ESTs		422.0755	-2.6221736

APPENDIX A

GF200	245585	N72540	Hs.64541	Hs.74316	desmoplakin (DPI, DPII)	DSP	422.0157	1.29064209
GF203	383898	AA700934	Hs.99034	Hs.99034	GTP-binding protein Rho7	RHO7	421.9514	-2.1390516
GF202	119403	T94848	Hs.17441	Hs.17441	ESTs		421.9253	1.27811998
GF200	281114	N50936	Hs.9858	Hs.252748	Homo sapiens cDNA		421.9078	-1.214677
GF202	784032	AA443712	Hs.99019	Hs.145527	FLJ20394 fis, clone KAIA5035		421.6183	-2.1884587
GF202	281847	N51830	Hs.47348	Hs.223380	ESTs		421.5938	1.22557246
GF203	397620	AA708248	Hs.120102	Hs.269208	ESTs		421.4263	-1.2155059
GF200	211878	H68724	Hs.118053	Hs.247123	ESTs		421.4055	1.8569964
					ESTs, Highly similar to NADH-UBIQUINONE			
					OXIDOREDUCTASE 51 KD			
					SUBUNIT PRECURSOR			
GF203	825302	AA504457	Hs.24075	Hs.24075	[H.sapiens]		421.2964	-1.2489859
					methyl-CpG binding domain			
GF200	359411	AA011232	Hs.35947	Hs.35947	protein 4	MBD4	421.1563	1.15928915
GF203	454196	AA677085	Hs.117030	Hs.117030	EST		421.1501	-2.0889746
					Ras-related GTP-binding			
GF200	753700	AA411640	Hs.57304	Hs.57304	protein	RAGA	421.1018	1.00275357
GF201	201172	R98487	Hs.70335	Hs.275068	EST		421.0875	
					stress-associated endoplasmic			
					reticulum protein 1; ribosome			
					associated membrane protein			
GF203	302955	N91117	Hs.54684	Hs.76698	4	SERP1	421.0645	1.27897587
					Homo sapiens HMT-1 mRNA			
					for beta-1,4			
					mannosyltransferase,			
					complete cds		421.0283	
GF201	810225	AA464702	Hs.44592	Hs.44592				
					carcinoembryonic antigen-			
					related cell adhesion molecule			
GF200	753301	AA411757	Hs.50964	Hs.50964	1 (biliary glycoprotein)	CEACAM1	420.8492	-1.0537309

APPENDIX A

GF200	788518	AA452566	Hs.75240	Hs.180612	peroxisomal membrane protein 3 (35kD, Zellweger syndrome)	PXMP3	420.6694	1.0635827
GF203	811761	AA463450	Hs.25495	Hs.25812	Nijmegen breakage syndrome 1 (nibrin)	NBS1	420.6606	1.01989367
GF203	1410444	AA857163	Hs.1257	Hs.270833	amphiregulin (schwannoma-derived growth factor)	AREG	420.6562	-1.7114003
GF203	396886	AA758271	Hs.121577	Hs.174797	ESTs		420.5415	-2.6997657
GF203	155916	R72290	Hs.117557	Hs.117557	ESTs		420.5264	-1.8986287
GF203	433230	AA699399	Hs.117319	Hs.209754	EST		420.3806	-1.1838779
GF201	770789	AA427621	Hs.71124	Hs.71124	ESTs		420.367	
GF203	380943	AA058533	Hs.60753	Hs.60753	ESTs		420.1686	-1.1681558
					Homo sapiens mRNA; cDNA			
GF201	771260	AA443585	Hs.65135	Hs.65135	DKFZp434E0121 (from clone)		420.0864	
GF200	204444	H58001	Hs.37456	Hs.37456	ESTs		419.9297	1.24305571
GF201	247381	N58022	Hs.48123	Hs.98288	ESTs		419.9165	
GF201	782736	AA447992	Hs.97383	Hs.97383	ESTs		419.856	
GF201	267252	N24579	Hs.42681	Hs.42681	ESTs		419.8292	
GF200	232933	H74004	Hs.10755	Hs.10755	dihydropyrimidinase	DPYS	419.8262	1.19079295
GF202	742702	AA401380	Hs.97726	Hs.97726	ESTs		419.7702	-2.4004607
GF203	726800	AA398295	Hs.97318	Hs.97318	ESTs		419.7684	-1.271739
					cofactor required for Sp1 transcriptional activation,			
GF203	322218	W37993	Hs.55609	Hs.262823	subunit 9 (33kD)	CRSP9	419.5115	-1.2014331
GF201	130078	R21408	Hs.23190	Hs.106095	ESTs		419.4816	
GF201	855800	AA664056	Hs.86978	Hs.86978	prolyl endopeptidase	PREP	419.4335	
					chromosome 22 open reading frame 5	C22ORF5	419.3238	
GF201	771172	AA429477	Hs.4751	Hs.182626	ESTs		419.2291	-2.7563079
GF203	666755	AA233932	Hs.87194	Hs.87194	ESTs		419.0807	1.19275118
GF200	248535	N59766	Hs.29667	Hs.29667	ESTs		419.0599	
GF201	209176	H62004	Hs.108230	Hs.269123	ESTs		419.0567	-1.0477426
GF200	123932	R01608	Hs.19195	Hs.142736	ESTs			
					postmeiotic segregation increased 2-like 4	PMS2L4	418.9492	
GF201	161373	H25510	Hs.113853	Hs.278468				

Westbrook et al.

APPENDIX A

Homo sapiens cDNA					
FLJ20355 fis, clone					
HEP15804, highly similar to					
AF121863 Homo sapiens					
			sorting nexin 14		418.8625
GF201	284792	N63097	Hs.82705	Hs.46801	418.8417
GF201	345145	W72231	Hs.47668	Hs.47668	
ESTs					
ESTs, Moderately similar to					
hypothetical protein					
[H.sapiens]					-1.1403792
GF202	898076	AA598781	Hs.3435	Hs.234972	
ESTs, Moderately similar to					
GF201	841281	AA487203	Hs.5326	Hs.5326	418.4611
pim-1 protein [H.sapiens]					
putative type II membrane					
protein					HP10390
GF200	130610	R22439	Hs.100924	Hs.8752	418.3963
GF202	268711	N25936	Hs.43712	Hs.43712	418.3784
GF203	647661	AA206050	Hs.86227	Hs.86227	418.3765
ESTs					-1.0460131
zinc-finger DNA-binding					
protein					HUMHOXY1
GF201	340673	W56349	Hs.94707	Hs.26719	418.364
GF203	180321	R85267	Hs.107692	Hs.107692	418.2977
GF203	135975	R33456	Hs.113360	Hs.74316	418.0304
GF201	161458	H25547	Hs.106380	Hs.151706	418.0255
GF201	491692	AA150402	Hs.119129	Hs.119129	417.9429
Homo sapiens mRNA for					
GF200	280122	N49231	Hs.34994	Hs.146085	417.776
GF200	198026	R94601	Hs.35306	Hs.237307	417.7176
GF203	42018	R59615	Hs.23542	Hs.23542	417.6848
ESTs					-1.420579
transcription elongation factor					1.22695834
A (SII), 1					-1.2652147
GF200	163174	H27379	Hs.78869	Hs.78869	1.05987363
ESTs, Weakly similar to					
TRANSCRIPTION FACTOR					
GF201	770979	AA427400	Hs.97984	Hs.97984	417.4273
SOX-9 [H.sapiens]					
Treacher Collins-Franceschetti					
syndrome 1					TCOF1
GF203	815535	AA457050	Hs.73166	Hs.172727	417.3681
GF200	206882	R98905	Hs.35992	Hs.35992	417.3499
GF202	757327	AA437094	Hs.104942	Hs.21921	417.3153
GF201	50060	H17455	Hs.27379	Hs.27379	417.2396
GF203	222006	H85547	Hs.53542	Hs.53542	417.2386
KIAA0986 protein					KIAA0986
					1.10011795

418.8625  
418.8417

418.5933 -1.1403792

418.4611

418.3963 1.27311164  
418.3784 -1.166522  
418.3765 -1.0460131

418.364  
418.2977 -2.4123693  
418.0304 -1.4766415  
418.0255  
417.9429

417.776 -1.420579  
417.7176 1.22695834  
417.6848 -1.2652147

417.5139 1.05987363

417.4273

417.3681 -1.4532388  
417.3499 -1.0542938  
417.3153 -1.3556243  
417.2396  
417.2386

417.2386

APPENDIX A

ESTs, Moderately similar to !!! ALU SUBFAMILY SP WARNING ENTRY !!!!									
GF203	290337	N64494	Hs.24164	Hs.210706	[H.sapiens] Human clone 23721 mRNA sequence frizzled-related protein ESTs ESTs dual-specificity tyrosine-(Y)- phosphorylation regulated kinase 3 ESTs ESTs, Weakly similar to unknown [H.sapiens] DKFZP564A122 protein DEAD/H (Asp-Glu-Ala- Asp/His) box polypeptide, Y chromosome ESTs ESTs collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant) ESTs UDP-N-acetyl-alpha-D- galactosamine:polypeptide N- acetyl/galactosaminyltransferas e 1 (GalNAc-T1) Homo sapiens clone 23687 mRNA sequence proline synthetase co- transcribed (bacterial homolog) YDD19 protein				
GF200	814776	AA465603	Hs.83572	Hs.83572	FRZB				
GF201	140071	R65782	Hs.78116	Hs.153684					
GF201	73310	T56056	Hs.9992	Hs.9992					
GF201	377587	AA055829	Hs.16345	Hs.196701					
GF200	209224	H62028	Hs.38018	Hs.38018	DYRK3				
GF203	700854	AA287261	Hs.101370	Hs.101370					
GF202	781460	AA428655	Hs.98608	Hs.98608					
GF200	246661	N59690	Hs.111652	Hs.187991	DKFZP564A122				
GF201	321885	W37634	Hs.94696	Hs.99120	DBY				
GF202	255277	N23708	Hs.43429	Hs.43429					
GF201	195801	R89104	Hs.34250	Hs.271635					
GF203	878420	AA670351	Hs.5417	Hs.119571					
GF201	302180	N79989	Hs.40969	Hs.237689					
GF203	271865	N31898	Hs.124276	Hs.80120					
GF201	49719	H28997	Hs.12513	Hs.12513					
GF203	813189	AA456325	Hs.24705	Hs.210749	PROSC				
GF200	132708	R25614	Hs.23910	Hs.25615	YDD19				

417.1875 -1.2651526

417.1636 -1.2819713

417.0046

416.8209

416.764

416.4377 1.65425801

416.3863 1.16468614

416.227 -2.0463459

416.083 1.18036843

415.9863

415.9837 -1.2613106

415.8691

415.8541 1.01426716

415.7184

415.7098 -1.0613969

415.6201

415.6021 -1.3610162

415.5239 -2.0071287

102020-8546860

Westbrook et al.

Atty Docket No. 21726/92526

APPENDIX A

GF202	361456	AA015892	Hs.129913	Hs.129913	DNA-damage-inducible transcript 3	DDIT3	415.5174	-1.0756595
GF201	795809	AA459868	Hs.4890	Hs.4890	ubiquitin-conjugating enzyme E2E 3 (homologous to yeast UBC4/5)	UBE2E3	415.5054	
GF201	782832	AA448268	Hs.61546	Hs.267448	Homo sapiens cDNA FLJ20039 fis, clone COL00364		415.3516	
GF203	450050	AA703387	Hs.12106	Hs.12106	ESTs, Weakly similar to C26E6.11 [C.elegans]		415.2958	1.12120321
GF200	841691	AA487589	Hs.78935	Hs.78935	methionine aminopeptidase; eIF-2-associated p67	MNPEP	415.2125	-1.2364563
GF200	841691	AA487589	Hs.16839	Hs.78935	methionine aminopeptidase; eIF-2-associated p67	MNPEP	415.2125	-1.2364563
GF203	298648	N74662	Hs.102832	Hs.151945	DKFZP564B147 protein	DKFZP564B147	415.0095	-1.008052
GF200	898317	AA598836	Hs.77007	Hs.183874	cullin 4A	CUL4A	415.0089	-2.0749886
GF201	358433	W96099	Hs.26550	Hs.26550	retinoid X receptor, gamma	RXRG	414.7805	
GF200	813533	AA456109	Hs.8180	Hs.8180	syndecan binding protein (syntenin)	SDCBP	414.723	1.39851342
GF201	343990	W70230	Hs.37482	Hs.37482	COPZ2 for nonclathrin coat protein zeta-COP	LOC51226	414.6296	
GF203	434968	AA700688	Hs.84205	Hs.177530	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit	ATP5E	414.4989	-1.3082027
GF202	742637	AA400263	Hs.97744	Hs.197805	SRY (sex determining region Y)-box 30	SOX30	414.4431	-2.1040116
GF201	489640	AA099386	Hs.61495	Hs.188665	ESTs, Weakly similar to sodium-hydrogen exchanger 6		414.4004	
GF203	796495	AA460234	Hs.19193	Hs.19193	[H.sapiens] ESTs		414.3265	-1.4078889
GF200	245742	N76858	Hs.16069	Hs.16069	ESTs		414.3143	-1.3441612
GF203	186626	R83355	Hs.32234	Hs.32234	ESTs, Weakly similar to CARS		414.2172	-1.2413293
GF203	453005	AA779165	Hs.63195	Hs.201672	Cyp [H.sapiens]		413.929	-2.2286948
GF201	25520	R37696	Hs.20904	Hs.104607	ADP-ribosylation factor-like 4	ARL4	413.8452	
					ESTs			

APPENDIX A

GF201	486436	AA044390	Hs.77837	Hs.77837	UDP-glucose pyrophosphorylase 2	UGP2	413.691
GF203	813518	AA456087	Hs.13268	Hs.13268	ESTs		413.6555 -1.5470671
GF202	77371	T55340	Hs.70034	Hs.208238	ESTs		413.6516 -1.2276778
					Homo sapiens cDNA		
GF200	142442	R70005	Hs.29052	Hs.29052	FLJ20189 fis, clone		413.6036 -1.0053283
GF200	296190	W02580	Hs.8663	Hs.8663	COLF0657	KIAA0321	413.382 1.0251139
GF203	684582	AA251354	Hs.111342	Hs.227274	tryptophanyl tRNA synthetase 2 (mitochondrial)	WARS2	413.2749 -1.3735011
GF203	43759	H05085	Hs.127416	Hs.127416	synaptotjanin 1	SYNJ1	413.1552 -1.2570898
GF203	151067	H02039	Hs.10653	Hs.10653	ESTs		413.041 -1.0994515
GF200	700527	AA291163	Hs.28988	Hs.28988	glutaredoxin (thioltransferase)	GLRX	413.0204 -1.3726841
GF201	283396	N52771	Hs.46788	Hs.269068	ESTs		412.7723
GF201	327299	AA284270	Hs.55238	Hs.55238	ESTs		412.752
GF203	897978	AA598861	Hs.2491	Hs.2491	DiGeorge syndrome critical region gene 2	DGCR2	412.5713 -1.0816598
					Homo sapiens cDNA		
GF201	377194	AA055170	Hs.82660	Hs.265891	FLJ10641 fis, clone NT2RP2005748		412.5066
					ESTs, Weakly similar to HEAT SHOCK 70 KD PROTEIN 6		
GF203	813999	AA455653	Hs.44581	Hs.44581	[H.sapiens] DEAD/H (Asp-Glu-Ala- Asp/His) box polypeptide 11		412.2994 -1.4733564
					(S.cerevisiae CHL1-like helicase)	DDX11	
GF200	741841	AA402879	Hs.27424	Hs.27424	DEAD/H (Asp-Glu-Ala- Asp/His) box polypeptide 11		412.2051 1.15049997
					(S.cerevisiae CHL1-like helicase)	DDX11	
GF200	741841	AA402879	Hs.117894	Hs.27424	DEAD/H (Asp-Glu-Ala- Asp/His) box polypeptide 11		412.2051 1.15049997
GF200	136301	R34012	Hs.24654	Hs.24654	ESTs		412.1111 -1.2000031
GF203	277135	N40924	Hs.22232	Hs.22232	ESTs		412.0051 -1.5581373
					ESTs, Weakly similar to T15B7.2 [C.elegans]		
GF203	435063	AA701448	Hs.114062	Hs.114062			411.9928 -1.2055485



Westbrook et al.

APPENDIX A

GF203	120468	T95289	Hs.59544	Hs.59544	excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)	ERCC1	411.9882	-1.4139093
GF203	196168	R92362	Hs.34576	Hs.34576	ESTs		411.9285	-1.401567
GF200	296454	W00946	Hs.50535	Hs.50535	ESTs		411.7254	1.18219597
					excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing)			
GF200	51666	H20908	Hs.77929	Hs.77929	interleukin 14	ERCC3	411.7215	1.10602735
GF200	244077	N34055	Hs.38838	Hs.83004	G-rich RNA sequence binding factor 1	IL14	411.7195	1.30620881
GF200	840384	AA485773	Hs.79295	Hs.79295	ESTs	GRSF1	411.6983	1.82510404
GF201	417908	W90520	Hs.103238	Hs.103238	splicing factor (CC1.3)	CC1.3	411.6834	-2.8028128
GF203	666038	AA193573	Hs.78135	Hs.145696	H1 histone family, member 2	H1F2	411.652	-1.351136
GF200	66317	T66816	Hs.7644	Hs.7644	ESTs		411.6065	
GF201	289096	N59839	Hs.48439	Hs.48439	Pro-(alpha)3(V) collagen	COL5A3	411.5333	-2.8388832
GF203	154173	R52038	Hs.25469	Hs.235368	ESTs, Weakly similar to !!!!		411.4176	
					ALU SUBFAMILY J			
					WARNING ENTRY !!!!			
GF201	488271	AA088214	Hs.44259	Hs.44259	[H.sapiens]		411.3676	
					interleukin 16 (lymphocyte chemoattractant factor)			
GF200	809776	AA454784	Hs.82127	Hs.82127	v-ral simian leukemia viral oncogene homolog A (ras related)	IL16	411.3585	1.23974523
					N-myc (and STAT) interactor			
GF202	260768	H97948	Hs.6906	Hs.6906	KIAA0449 protein	RALA	411.3218	1.03831306
GF200	704532	AA279601	Hs.54483	Hs.54483	ESTs	NMI	411.2617	-2.1043617
GF200	48530	H14513	Hs.77965	Hs.169182	KIAA0076 gene product	KIAA0449	411.2527	1.03954872
GF203	433484	AA699565	Hs.110156	Hs.110156			411.1916	-2.5967517
GF200	740122	AA479771	Hs.51039	Hs.51039		KIAA0076	411.1405	-1.4920054

Westbrook et al.

APPENDIX A

GF200	278808	N66572	Hs.89843	Hs.157441	spleen focus forming virus (SFFV) proviral integration oncogene spi1	SPI1	410.868	-1.4876095
GF200	278808	N66572	RG.28	Hs.157441	spleen focus forming virus (SFFV) proviral integration oncogene spi1	SPI1	410.868	-1.4876095
GF203	207735	H58926	Hs.118040	Hs.75621	protease inhibitor 1 (anti-elastase), alpha-1-antitrypsin	PI	410.8668	-2.9021233
GF200	232628	H72591	Hs.77554	Hs.77554	ESTs		410.8224	2.82430974
GF201	809682	AA454691	Hs.56828	Hs.56828	trinucleotide repeat containing 5	TNRC5	410.7896	
GF202	346889	W79834	Hs.58559	Hs.58559	ESTs, Weakly similar to rhotein [M.musculus]		410.7558	-1.4089735
GF201	416951	W87714	Hs.18257	Hs.155160	Splicing factor, arginine/serine-rich, 46kD	SRP46	410.6897	
GF203	713273	AA283024	Hs.125111	Hs.6679	hHDC for homolog of Drosophila headcase	LOC51696	410.6842	-1.0571377
GF201	208542	H63124	Hs.1219	Hs.1219	alcohol dehydrogenase 4 (class II), pi polypeptide	ADH4	410.5287	
GF200	213577	H72187	Hs.5322	Hs.5322	guanine nucleotide binding protein (G protein), gamma 5	GN5	410.4931	-1.3298808
GF200	769921	AA430504	Hs.93002	Hs.93002	ubiquitin carrier protein E2-C	UBCH10	410.3256	-1.0797768
GF201	840775	AA486088	Hs.4994	Hs.4994	transducer of ERBB2, 2	TOB2	410.2584	
GF201	307138	N93721	Hs.74052	Hs.74052	ESTs		410.2153	
GF201	263243	H99930	Hs.29857	Hs.29857	ESTs		410.1161	
GF203	884657	AA629910	Hs.7499	Hs.268561	translocase of inner mitochondrial membrane 8 (yeast) homolog B	TIMM8B	410.1038	1.41152827
GF201	417426	W88572	Hs.33987	Hs.7857	erythrocyte membrane protein band 4.1-like 2	EPB41L2	410.0928	
GF203	825012	AA489194	Hs.43199	Hs.25615	YDD19 protein	YDD19	410.0111	1.07663136
GF201	241736	H91691	Hs.79335	Hs.79335	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1	SMARCD1	409.9522	
GF200	109265	T81033	Hs.1092	Hs.157169	ESTs		409.8694	1.37982677

APPENDIX A

GF200	247660	N58170	Hs.14637	Hs.14637	kidney- and liver-specific gene gene predicted from cDNA with a complete coding sequence	TSC501	409.7357	1.27445186
GF200	898095	AA598802	Hs.119	Hs.119	P311 protein	KIAA0105	409.7116	1.23790542
GF201	241432	H80685	Hs.108486	Hs.142827	YDD19 protein	P311	409.7008	
GF203	380437	AA054135	Hs.23924	Hs.25615	neurexin 4 (contactin associated protein)	YDD19	409.6077	-1.2446059
GF201	470279	AA028905	Hs.31622	Hs.31622	putative acyltransferase	NRXN4	409.5025	
GF203	291272	N72217	Hs.7436	Hs.7436	Homo sapiens cDNA	BK1191B2.3.1	409.4857	-1.6843089
GF203	665398	AA195041	Hs.104101	Hs.13109	FLJ10834 fis, clone NT2RP4001207		409.3351	-1.3459119
GF201	949971	AA600217	Hs.75094	Hs.181243	activating transcription factor 4 (tax-responsive enhancer element B67)	ATF4	409.3241	
GF203	753320	AA406580	Hs.106650	Hs.106650	Homo sapiens cDNA		409.3111	-1.6830018
GF201	491313	AA150199	Hs.49378	Hs.49378	FLJ20533 fis, clone KAT10931	DKFZP586D0919 protein	409.0844	
GF201	298384	N70492	Hs.100294	Hs.15106	chromosome 14 open reading frame 1	DKFZP586D0919	408.8324	
GF201	31740	R41973	Hs.22175	Hs.169363	GLE1 (yeast homolog)-like, RNA export mediator	C14ORF1	408.7638	
GF201	50007	H16736	Hs.91627	Hs.196012	KIAA0534 protein	GLE1L	408.7346	
GF203	814018	AA455659	Hs.103233	Hs.221698	ESTs	KIAA0534	408.7261	-1.4828659
GF200	814526	AA459588	Hs.78193	Hs.236361	H.sapiens seb4D mRNA		408.6164	-1.6804957
GF200	814526	AA459588	Hs.104642	Hs.236361	H.sapiens seb4D mRNA		408.6164	-1.6804957
GF200	586698	AA129089	RG.61	Hs.2942	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	MST1R	408.6072	-1.1281971
GF203	278630	N66197	Hs.70182	Hs.211539	eukaryotic translation initiation factor 2, subunit 3 (gamma, 52kD)	EIF2S3	408.3062	-1.2695333
GF200	488019	AA053285	Hs.118537	Hs.12503	interleukin 15 receptor, alpha	IL15RA	408.2873	-1.1535904
GF200	488019	AA053285	Hs.12503	Hs.12503	interleukin 15 receptor, alpha	IL15RA	408.2873	-1.1535904

## Westbrook et al.

GF201	782748	AA447997	Hs.68090	Hs.68090	Homo sapiens cDNA FLJ10427 fis, clone NT2RP1000348, weakly similar to REDUCED VIABILITY UPON STARVATION PROTEIN 161 Homo sapiens cDNA FLJ10652 fis, clone NT2RP2005886 inner membrane protein, mitochondrial (mitofilin) Homo sapiens chromosome 9, P1 clone 11659 ESTs, Moderately similar to ALR [H.sapiens] brain protein l3 protease inhibitor 12 (neuroserpin) interferon regulatory factor 4 ESTs Homo sapiens cDNA FLJ10205 fis, clone HEMBA1004954 ESTs ESTs, Moderately similar to undulin 2 [H.sapiens] aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3- alpha)-hydroxysteroid dehydrogenase) aryl hydrocarbon receptor nuclear translocator ATP binding protein associated with cell differentiation	408.262	-1.3165463
GF203	455204	AA676907	Hs.23999	Hs.236844		408.2406	-1.310381
GF203	1435300	AA857716	Hs.78504	Hs.78504	IMMT	408.1865	-1.6262419
GF202	588430	AA152461	Hs.85044	Hs.85044		407.9555	-2.2707527
GF200	292512	N91302	Hs.108396	Hs.108396		407.8302	-1.0774037
GF203	878846	AA670434	Hs.75922	Hs.75922	BRI3	407.6127	1.06290848
GF200	564621	AA115876	Hs.78589	Hs.78589	PI12	407.5075	-1.1905825
GF203	1358229	AA825491	Hs.82132	Hs.82132	IRF4	407.462	-1.1854285
GF201	418394	W92795	Hs.6559	Hs.107293		407.462	-1.2838512
GF203	486179	AA043254	Hs.6226	Hs.6226		407.462	-2.6282661
GF200	239874	H79772	Hs.40061	Hs.40061		407.4372	-1.2953588
GF203	812184	AA456048	Hs.99403	Hs.99403	AKR1C1	407.4346	1.12216082
GF200	196992	R93124	Hs.78183	Hs.275374		407.4187	-1.0776512
GF200	129563	R11398	Hs.15885	Hs.166172	ARNT		
GF200	300590	N80741	Hs.68783	Hs.153884	APACD		

APPENDIX A

GF200	840818	AA486238	Hs.81008	Hs.81008	filamin B, beta (actin-binding protein-278) ESTs	FLNB	407.3895	1.02892324
GF203	768433	AA495926	Hs.9394	Hs.9394			407.3067	-1.5122362
GF200	233721	H79047	Hs.162	Hs.162	insulin-like growth factor binding protein 2 (36kD) ESTs	IGFBP2	407.2717	-1.5119344
GF203	1240220	AA788970	Hs.47135	Hs.47135			407.0527	-1.3375048
GF201	293097	N68738	Hs.108270	Hs.167814	ESTs	DPYSL2	406.7937	-1.2432819
GF200	132527	R25895	Hs.6075	Hs.173381			406.7462	-1.2432819
GF201	39977	R52526	Hs.90496	Hs.172740	dihydropyrimidinase-like 2 microtubule-associated protein, RP/EB family, member 3 ESTs	MAPRE3	406.697	-2.7171777
GF203	450680	AA682642	Hs.20734	Hs.20734			406.5631	-2.7171777
GF201	814798	AA455235	Hs.75746	Hs.75746	aldehyde dehydrogenase 6 neurexin 1 ESTs, Highly similar to precursor polypeptide [H.sapiens]	ALDH6 NRXN1	406.4607	-1.1309719
GF203	32573	R43532	Hs.22998	Hs.22998			406.3814	-1.1309719
GF200	342721	W68291	Hs.83968	Hs.169079	ligase I, DNA, ATP-dependent ESTs	LIG1	406.0966	-1.2033226
GF200	725266	AA291715	Hs.1770	Hs.1770			405.9401	-1.1203001
GF201	211865	H66710	Hs.108281	Hs.133525	ESTs	LIG1	405.8393	-1.2526974
GF203	449020	AA777379	Hs.13960	Hs.13960			405.8378	-1.2526974
GF201	366105	AA071526	Hs.100330	Hs.106019	protein phosphatase 1, regulatory subunit 10 galactose-4-epimerase, UDP-	PPP1R10 GALE	405.7527	-1.8132835
GF200	711768	AA281030	Hs.76057	Hs.278580			405.7117	-1.8132835
GF200	531028	AA070381	Hs.79099	Hs.3136	protein kinase, AMP-activated, gamma 1 non-catalytic subunit EST	PRKAG1	405.6723	1.50453059
GF203	813604	AA447679	Hs.99133	Hs.261626			405.5788	-1.7438748
GF200	123400	T99639	Hs.91142	Hs.91142	KH-type splicing regulatory protein (FUSE-binding protein 2) ESTs, Moderately similar to CGI-67 protein [H.sapiens] ESTs, Moderately similar to Ku70-binding protein [H.sapiens]	KHSRP	405.5441	-1.2978725
GF203	257323	N26928	Hs.26765	Hs.26765			405.452	-1.6185563
GF201	795207	AA453588	Hs.61188	Hs.61188				405.127

## APPENDIX A

GF201	270997	N34345	Hs.108979	Hs.108979	ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens] lectin, galactoside-binding, soluble, 7 (galectin 7) Homo sapiens mRNA for NICE-5 protein TXK tyrosine kinase ESTs EST ESTs Homo sapiens cDNA FLJ10622 fis, clone NT2RP2005509, highly similar to Homo sapiens CGI-45 protein mRNA	405.1075 404.9957 404.9348 404.92 404.7642 404.7462 404.743	1.20652448 -2.1060125 -1.1410564 -1.0089682 1.40112815 -1.2259445
GF200	359747	AA011057	Hs.99923	Hs.99923	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) PTGS2 ESTs KIAA0992 protein ESTs ESTs ESTs, Moderately similar to !!!! ALU SUBFAMILY SB WARNING ENTRY !!!! [H.sapiens] nuclear factor I/C (CCAAT- binding transcription factor) NFIC ESTs ESTs ESTs	404.6864 404.3798 404.2548 404.2532 404.1746	1.1518449 1.07417185
GF203	397555	AA701108	Hs.119738	Hs.190356		404.1558	-2.6341761
GF200	265874	N20996	Hs.2615	Hs.184771		403.9857	-1.9334825
GF203	383980	AA702606	Hs.23260	Hs.23260		403.9124	-1.0687478
GF203	396272	AA758429	Hs.42873	Hs.42873		403.9056	1.27215144
GF200	194965	R88734	Hs.34192	Hs.34192		403.9015	-1.0129636

GF200	120973	T96215	Hs.17753	Hs.120949	ESTs, Weakly similar to !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.sapiens] fatty-acid-Coenzyme A ligase, long-chain 2 ESTs chromodomain helicase DNA binding protein 3 KIAA0677 gene product ESTs ESTs ESTs cerebellin 1 precursor adenosine monophosphate deaminase 2 (isoform L) ESTs nuclear factor (erythroid- derived 2)-like 1 ESTs serine/threonine-protein kinase PRP4 homolog Homo sapiens cDNA FLJ10308 fis, clone NT2RM2000260	403.8155	1.56422267
GF200	82734	T73556	Hs.34	Hs.154890		403.7552	1.19160091
GF200	121559	T97917	Hs.97393	Hs.191184		403.7142	1.39896126
GF203	811893	AA454980	Hs.34886	Hs.25601		403.6193	-2.5441915
GF202	951091	AA620458	Hs.32725	Hs.155983		403.5569	-1.0280105
GF203	768229	AA424910	Hs.31744	Hs.172843		403.3888	-1.4540849
GF203	38344	R49555	Hs.26270	Hs.26270		403.2839	-1.109673
GF201	271750	N31588	Hs.40753	Hs.269039		403.1689	
GF200	768357	AA495901	Hs.662	Hs.662		403.0974	-1.6971347
GF203	811013	AA485376	Hs.82927	Hs.82927		403.0944	-1.5373703
GF201	52725	H29308	Hs.27804	Hs.27804		403.0634	
GF200	755821	AA496576	Hs.83469	Hs.83469		403.0115	1.00933609
GF203	701690	AA287090	Hs.87558	Hs.269382		402.9775	-2.2109973
GF202	898070	AA598779	Hs.119139	Hs.198891		402.8634	-1.6249788
GF201	782246	AA431716	Hs.14169	Hs.14169		402.6128	
GF200	33941	R45941	Hs.89655	Hs.89655	protein tyrosine phosphatase, receptor type, N	402.5934	-1.0997391
GF203	768395	AA495819	Hs.33905	Hs.33905	ESTs ESTs, Weakly similar to katanin p80 subunit [H.sapiens]	402.541	-1.606407
GF203	194318	H50655	Hs.5152	Hs.5152		402.4794	-2.7062697
GF201	377252	AA055350	Hs.45743	Hs.45743	adenosine A2b receptor	402.4665	
GF203	278644	N66205	Hs.23197	Hs.23197	ESTs succinate-CoA ligase, ADP- forming, beta subunit	402.4391	-1.1717023
GF203	712888	AA282208	Hs.40820	Hs.182217		402.4221	1.12648289

## APPENDIX A

GF201	46041	H09573	Hs.27581	Hs.227011	G-substrate	GSBS	402.3539
GF201	136998	R35649	Hs.92389	Hs.209061	sudD (suppressor of bimD6, Aspergillus nidulans) homolog	SUDD	402.2308
GF200	247233	N57936	Hs.33707	Hs.193379	ESTs		402.2299
GF200	587847	AA135289	Hs.2704	Hs.2704	glutathione peroxidase 2 (gastrointestinal)	GPX2	402.2243
GF200	742082	AA405769	Hs.1872	Hs.1872	phosphoenolpyruvate carboxykinase 1 (soluble)	PCK1	402.2233
GF203	898055	AA598956	Hs.111571	Hs.120439	Homo sapiens mRNA; cDNA DKFZp434E1212 (from clone DKFZp434E1212)		402.1735
					ESTs, Weakly similar to !!!!		1.09466093
					ALU SUBFAMILY J		
					WARNING ENTRY !!!!		
GF201	194607	R87650	Hs.33439	Hs.33439	[H.sapiens]		402.1226
					HMT1 (hnRNP		
					methyltransferase, S. cerevisiae)-like 1	HRMT1L1	402.1132
GF203	379309	AA778346	Hs.105365	Hs.235887	EST		401.9862
GF200	241507	H80724	Hs.40172	Hs.40172			-1.734928
					guanine nucleotide binding protein (G protein) alpha 12	GNA12	-1.2703603
GF203	186623	R83896	Hs.119040	Hs.182874			401.6289
					uridine monophosphate kinase	UMPK	-1.6914738
GF201	344243	W69906	Hs.75939	Hs.75939	myo-inositol 1-phosphate synthase A1	ISYNA1	401.6169
GF201	809508	AA454554	Hs.24746	Hs.264414	Human chromosome 17q21 mRNA clone 1046:1-1		401.6147
GF201	841495	AA487262	Hs.100922	Hs.210783	ribonuclease, RNase A family, 1 (pancreatic)	RNASE1	401.4744
GF200	840493	AA487797	Hs.78224	Hs.78224	asialoglycoprotein receptor 1	ASGR1	401.4436
GF200	204541	H58255	Hs.12056	Hs.12056			401.4255
					protein phosphatase 1, regulatory (inhibitor) subunit 2	PPP1R2	-1.5380694
GF200	769657	AA428749	Hs.91585	Hs.267819	ESTs		-1.3759994
GF203	726878	AA398412	Hs.32995	Hs.32995			401.3779
GF201	290182	N62213	Hs.48487	Hs.48487	ESTs		401.364
							401.2135



Westbrook et al.

APPENDIX A

GF202	1031907	AA609744	Hs.112757	Hs.112757	ESTs	401.1427	-2.5448645
GF202	510668	AA101954	Hs.24172	Hs.24172	ESTs	401.0155	-1.7823064
GF202	503275	AA148417	Hs.71922	Hs.71922	ESTs	401.0001	1.21419481
GF203	823771	AA490255	Hs.105254	Hs.180391	ESTs	400.9879	-1.5207719
GF202	795395	AA453287	Hs.26198	Hs.166783	ESTs	400.8007	-1.5665907
GF203	364098	AA021132	Hs.60797	Hs.60797	ESTs	400.6871	-1.274324
GF200	162161	H25907	Hs.32202	Hs.260516	EST	400.4762	1.03999951
					mannosyl (alpha-1,3)-		
					glycoprotein beta-1,4-N-		
					acetylglucosaminyltransferase,		
GF200	140759	R66290	Hs.28715	Hs.177576	isoenzyme A	400.4598	-2.4282744
					MGAT4A		
GF200	712641	AA280514	Hs.100096	Hs.218791	megakaryocyte stimulating factor	400.4495	1.03618796
					MSF		
GF200	712641	AA280514	Hs.80749	Hs.218791	megakaryocyte stimulating factor	400.4495	1.03618796
GF201	769686	AA496283	Hs.74563	Hs.125359	Thy-1 cell surface antigen	400.3479	
GF201	49953	H29276	Hs.6666	Hs.206469	ESTs	400.26	
					Homo sapiens mRNA; cDNA		
GF201	505062	AA150895	Hs.12361	Hs.183770	DKFZp566P2346 (from clone	400.0893	
GF200	897497	AA497085	Hs.105397	Hs.127428	DKFZp566P2346)	400.0227	1.40197001
GF203	165824	R86845	Hs.33470	Hs.33470	homeo box A9	399.8993	-1.7669076
					ESTs		
					ESTs, Weakly similar to		
GF201	245039	N52651	Hs.33969	Hs.108118	KIAA0984 protein [H.sapiens]	399.8377	
					ESTs, Highly similar to CGI-		
GF201	327245	AA284291	Hs.26706	Hs.26706	121 protein [H.sapiens]	399.7278	
GF201	742610	AA401475	Hs.39733	Hs.39733	postsynaptic protein CRIPT	399.4793	
GF203	128894	R10108	Hs.113073	Hs.268672	ESTs	399.4691	-2.2985546
GF203	786154	AA448855	Hs.91870	Hs.91870	ESTs	399.4465	-2.4069415
GF200	773246	AA425254	Hs.35384	Hs.35384	ring finger protein 1	399.3351	-2.2934745
					Homo sapiens clone 23664		
GF201	79935	T61475	Hs.6803	Hs.180737	and 23905 mRNA sequence	399.3146	
					Homo sapiens cDNA		
GF201	795367	AA453271	Hs.13801	Hs.13801	FLJ20642 fis, clone KAT02751	399.313	

APPENDIX A

GF200	76362	T60235	Hs.62313	Hs.77196	spectrin, alpha, non-erythrocytic 1 (alpha-fodrin)	SPTAN1	399.1783	-1.2715537
GF200	155434	R71913	Hs.78080	Hs.181309	proteasome (prosome, macropain) subunit, alpha type, 2	PSMA2	399.0525	-1.1812753
GF203	450642	AA682479	Hs.117257	Hs.230219	EST		398.8794	-1.0206727
GF203	288888	N62617	Hs.44563	Hs.44563	hypothetical protein	CL640	398.7571	-1.3444751
GF200	713653	AA284495	Hs.78871	Hs.78871	KIAA0081 protein	KIAA0081	398.7514	-1.6516851
GF203	360747	AA016245	Hs.60697	Hs.226925	ESTs		398.7417	1.00721331
GF203	433590	AA701662	Hs.114072	Hs.189878	ESTs		398.6907	1.09680786
GF203	452354	AA700867	Hs.114068	Hs.269659	ESTs		398.6659	-1.0027582
GF203	746245	AA417761	Hs.5957	Hs.5957	Homo sapiens clone 24416 mRNA sequence		398.6353	-1.2242105
GF201	327085	AA284288	Hs.102962	Hs.78980	ESTs		398.4416	
GF200	27548	R12905	Hs.75336	Hs.211608	nucleoporin 153kD	NUP153	398.3378	1.26807197
GF200	143661	R76614	Hs.102541	Hs.102541	Homo sapiens mRNA; cDNA DKFZp434O1519 (from clone DKFZp434O1519); partial cds		398.2892	-2.8267811
GF201	52635	H29513	Hs.3757	Hs.235195	Homo sapiens cDNA FLJ10193 fis, clone HEMBA1004763		398.2661	
GF201	770838	AA427732	Hs.12579	Hs.172613	solute carrier family 12 (potassium/chloride transporters), member 7	SLC12A7	398.2639	
GF203	236279	H61276	Hs.5930	Hs.5930	ESTs		398.0245	-1.8413177
GF201	771177	AA429484	Hs.49806	Hs.49806	ESTs		398.0189	
GF201	287770	N62251	Hs.107069	Hs.251879	ESTs		398.0049	
GF203	683274	AA213667	Hs.22222	Hs.22222	ESTs		397.8749	-1.3912573
GF200	145132	R77432	Hs.6710	Hs.6710	mannose-P-dolichol utilization defect 1	MPDU1	397.8669	-1.6623567
GF203	262342	H99467	Hs.126693	Hs.269662	ESTs		397.8635	1.32741895
GF200	125722	R07560	Hs.77494	Hs.77494	deoxyguanosine kinase	DGUOK	397.8148	-1.1760565
GF201	284139	N53505	Hs.82605	Hs.137732	KIAA1098 protein	KIAA1098	397.7708	
GF200	813591	AA447824	Hs.69575	Hs.69575	peroxisomal acyl-CoA thioesterase	PTE1	397.7206	1.22718407

APPENDIX A

GF201	453147	AA700196	Hs.26872	Hs.155204	zinc finger protein 174	ZNF174	397.6858
GF201	430427	AA676322	Hs.74080	Hs.211581	metal-regulatory transcription factor 1	MTF1	397.677
GF200	826211	AA521466	Hs.41639	Hs.41639	programmed cell death 2	PDCD2	397.6469
GF201	341051	W57983	Hs.83389	Hs.274459	pinin, desmosome associated protein	PNN	397.5197
GF200	813552	AA455448	Hs.82685	Hs.82685	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	CD47	397.5193
GF201	84022	T70901	Hs.12054	Hs.80162	Homo sapiens cDNA FLJ20431 fis, clone KAT03722		397.4581
GF203	279575	N48293	Hs.12296	Hs.12296	ESTs, Weakly similar to hypothetical protein		397.1772
GF201	365425	AA025246	Hs.58595	Hs.58595	[H.sapiens]		397.0719
GF201	268000	N23753	Hs.36519	Hs.271651	ESTs		397.0623
GF201	796674	AA460557	Hs.90315	Hs.191526	ESTs, Moderately similar to KIAA0007 [H.sapiens]		397.0466
GF203	768406	AA495814	Hs.32565	Hs.32565	ESTs		396.9671
GF201	284601	N64790	Hs.46616	Hs.46616	ESTs		396.8884
GF203	746080	AA482594	Hs.62684	Hs.198711	Homo sapiens cDNA FLJ11312 fis, clone PLACE1010105, weakly similar to RING CANAL PROTEIN		396.8066
GF201	124447	R01094	Hs.100747	Hs.100747	Homo sapiens mRNA for KIAA1184 protein, partial cds		396.7825
GF200	195117	R91258	Hs.34396	Hs.34396	ESTs		396.726
GF201	789383	AA464861	Hs.79106	Hs.155924	cAMP responsive element modulator	CREM	396.7243
GF200	143306	R74253	Hs.107202	Hs.56729	lymphocyte-specific protein 1	LSP1	396.7122
GF201	271684	N35079	Hs.89729	Hs.169387	KIAA0036 gene product	KIAA0036	396.6373
GF200	120106	T95052	Hs.2490	Hs.2490	caspace 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)	CASP1	396.5842
							-1.1150952
							-2.3227744
							-2.1740039
							-2.2762883
							-1.3436331
							1.17453907
							-2.3076875
							-1.1150952

APPENDIX A

GF203	767983	AA418825	Hs.7365	Hs.6354	stromal cell derived factor receptor 1	SDFR1	396.5546	-2.6410376
GF203	396111	AA757732	Hs.121534	Hs.190408	ESTs		396.5015	-1.129685
GF200	138775	R63543	Hs.17775	Hs.17775	p75NTR-associated cell death executor; ovarian granulosa cell protein (13kD)	DXS6984E	396.4144	-1.047487
GF201	283268	N45301	Hs.46501	Hs.201591	ESTs		396.1459	
GF201	417361	W89211	Hs.103236	Hs.59106	cell growth regulatory with ring finger domain	CGR19	396.0854	
GF201	309233	N98336	Hs.54811	Hs.54811	ESTs		396.0503	
GF200	38763	R51052	Hs.85270	Hs.250595	S-phase response (cyclin-related)	SPHAR	396.002	-2.1182051
GF200	38763	R51052	RG.49	Hs.250595	S-phase response (cyclin-related)	SPHAR	396.002	-2.1182051
GF201	288667	N59197	Hs.107137	Hs.155049	Homo sapiens cDNA FLJ11282 fis, clone PLACE1009476, weakly similar to PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III		395.9495	
GF203	261567	H98655	Hs.42548	Hs.25812	Nijmegen breakage syndrome 1 (nibrin)	NBS1	395.8637	1.04532669
GF201	810875	AA458983	Hs.15911	Hs.15911	DKFZP586E1422 protein	DKFZP586E1422	395.774	
GF200	811942	AA455003	Hs.89578	Hs.89578	general transcription factor IIH, polypeptide 1 (62kD subunit)	GTF2H1	395.7492	1.09695889
GF201	81578	T65844	Hs.11778	Hs.181300	sel-1 (suppressor of lin-12, C.elegans)-like	SEL1L	395.6772	
GF201	795828	AA461495	Hs.14512	Hs.14512	Homo sapiens mRNA for DIPB protein		395.677	
GF200	139818	R62373	Hs.52526	Hs.52526	KIAA0669 gene product	KIAA0669	395.6361	-1.8806249
GF203	53048	R15748	Hs.21383	Hs.21383	ESTs		395.6261	-2.1377051
GF200	244974	N54932	Hs.8187	Hs.234156	ESTs, Weakly similar to CGI-128 protein [H.sapiens]		395.5599	-1.2124937

APPENDIX A

GF200	241824	H93217	Hs.30237	Hs.30237	ESTs, Weakly similar to !!! ALU CLASS B WARNING ENTRY !!! [H.sapiens] Homo sapiens mRNA; cDNA DKFZp564P116 (from clone DKFZp564P116) KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2 5T4 oncofetal trophoblast glycoprotein ESTs mitochondrial translational initiation factor 2	395.3637	-1.9703554
GF201	47186	H10403	Hs.25832	Hs.25832	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2 5T4 oncofetal trophoblast glycoprotein ESTs mitochondrial translational initiation factor 2	395.3037	
GF201	745214	AA626867	Hs.118778	Hs.118778	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2 5T4 oncofetal trophoblast glycoprotein ESTs mitochondrial translational initiation factor 2	395.2983	
GF200	773170	AA428514	Hs.82128	Hs.82128	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2 5T4 oncofetal trophoblast glycoprotein ESTs mitochondrial translational initiation factor 2	395.2879	1.36879983
GF200	111122	T83551	Hs.77114	Hs.77114	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2 5T4 oncofetal trophoblast glycoprotein ESTs mitochondrial translational initiation factor 2	395.1088	-1.998578
GF200	50754	H18070	Hs.3823	Hs.149894	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2 5T4 oncofetal trophoblast glycoprotein ESTs mitochondrial translational initiation factor 2	395.0753	1.01891231
GF201	795453	AA454193	Hs.7910	Hs.7910	Ring1 and YY1 binding protein ESTs	394.9422	
GF201	289868	N62077	Hs.48475	Hs.91389	Ring1 and YY1 binding protein ESTs	394.7626	
GF203	768953	AA424920	Hs.23799	Hs.23799	Ring1 and YY1 binding protein ESTs	394.6814	-1.3731633
GF201	795529	AA459657	Hs.12311	Hs.12311	Homo sapiens clone 23570 mRNA sequence	394.6381	
GF201	272529	N35888	Hs.44759	Hs.154695	phosphomannomutase 2 ESTs	394.6338	
GF201	810218	AA464688	Hs.95835	Hs.95835	phosphomannomutase 2 ESTs	394.4789	
GF203	132144	R26082	Hs.100932	Hs.100932	transcription factor 17 ESTs	394.4503	1.14043403
GF201	810529	AA464558	Hs.97276	Hs.97276	transcription factor 17 ESTs	394.305	
GF203	703827	AA278842	Hs.111396	Hs.238839	latent transforming growth factor beta binding protein 3 LTPB3	394.281	-1.4526326
GF202	595529	AA166907	Hs.61518	Hs.29147	Homo sapiens cDNA FLJ11015 fis, clone PLACE1003302, highly similar to ZINC FINGER PROTEIN 83	394.1952	-1.5815303
GF200	49591	H15215	Hs.79876	Hs.79876	steroid sulfatase (microsomal), arylsulfatase C, isozyme S cAMP responsive element binding protein 3 (human)	393.9345	-1.4773571
GF201	742614	AA401477	Hs.65677	Hs.173422	steroid sulfatase (microsomal), arylsulfatase C, isozyme S cAMP responsive element binding protein 3 (human)	393.9188	

APPENDIX A

GF203	451925	AA707189	Hs.119998	Hs.119998	EST		393.6087	-1.6817042
GF201	771157	AA429470	Hs.61960	Hs.61960	hypothetical protein	FLJ20040	393.317	
GF203	451707	AA707659	Hs.19978	Hs.19978	ESTs, Weakly similar to open reading frame [M.musculus]		393.3099	-2.4857957
GF200	26418	R13546	Hs.1387	Hs.274488	G protein-coupled sphingolipid receptor	CHEDG1	393.2906	-1.9323852
GF201	428570	AA004878	Hs.40241	Hs.40241	ESTs, Highly similar to hypothetical protein [H.sapiens]		393.2419	
GF200	712604	AA281932	Hs.6895	Hs.239138	pre-B-cell colony-enhancing factor	PBEF	393.1416	1.09906547
GF201	291537	N72878	Hs.107846	Hs.10669	KIAA1249	KIAA1249	393.0653	
GF203	281737	N51740	Hs.54037	Hs.54037	KIAA0879 protein	KIAA0879	393.0125	-2.0490816
GF203	811895	AA454982	Hs.47587	Hs.47587	ESTs		392.8519	-2.3651314
GF201	809525	AA454581	Hs.37656	Hs.37656	KIAA0602 protein	KIAA0602	392.838	
GF203	815740	AA485080	Hs.86429	Hs.262544	ESTs		392.7391	-1.489342
GF200	66322	T66800	Hs.2259	Hs.2259	CD3G antigen, gamma polypeptide (TtT3 complex)	CD3G	392.696	-1.3058389
GF200	209137	H63934	Hs.22785	Hs.22785	gamma-aminobutyric acid (GABA) A receptor, epsilon	GABRE	392.6434	1.0934646
GF203	399081	AA733006	Hs.120873	Hs.120873	ESTs		392.4106	-1.0635382
GF203	276816	N40556	Hs.13812	Hs.13812	ESTs		392.3838	-2.6335608
GF203	898162	AA598538	Hs.11252	Hs.11252	ESTs, Weakly similar to Weak similarity with the Ysy6 protein [C.elegans]		392.1145	1.2720469
GF203	39918	R54060	Hs.91757	Hs.226133	growth arrest-specific 7	GAS7	392.1039	-2.0529304
GF200	814409	AA458922	Hs.6587	Hs.240534	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	AGPAT1	391.7729	-1.2209097
GF200	138601	R63407	Hs.27742	Hs.27742	KIAA1026 protein	KIAA1026	391.5581	1.09916476
GF200	292357	N80989	Hs.38036	Hs.37680	ESTs, Moderately similar to hematopoietic RING finger 1 [M.musculus]		391.4425	-2.2382462
GF201	344825	W72965	Hs.53531	Hs.53531	lipoic acid synthetase	LAS	391.4287	

APPENDIX A

GF203	824260	AA491256	Hs.97179	Hs.97179	ESTs	391.1919	-1.1242293
GF203	208651	H61595	Hs.37982	Hs.37982	ESTs	391.0609	-1.0596881
GF200	135538	R32858	Hs.6726	Hs.227630	RE1-silencing transcription factor	391.0493	-1.2318362
GF200	234527	H77554	Hs.35416	Hs.35416	ESTs	390.993	-1.3812123
GF203	452668	AA779221	Hs.74584	Hs.151787	U5 snRNP-specific protein, 116 kD	390.8038	-1.7454816
GF201	782793	AA448192	Hs.97727	Hs.128652	ESTs	390.7892	
GF201	246239	N52482	Hs.108479	Hs.108479	ESTs	390.7064	
					Homo sapiens cDNA FLJ10871 fis, clone NT2RP4001696, weakly similar to CLEAVAGE AND POLYADENYLATION SPECIFICITY FACTOR, 100 KD SUBUNIT	390.6941	-1.0740673
GF201	267805	N25619	Hs.42651	Hs.269036	ESTs	390.6187	
GF203	413148	AA707871	Hs.12813	Hs.12813	DKFZP434J214 protein	390.5051	-1.6949145
GF200	31842	R41839	Hs.17248	Hs.154073	UDP-galactose transporter related	390.5008	-1.0015452
GF201	79822	T64004	Hs.11369	Hs.25615	YDD19 protein	390.4934	
GF203	263076	N20054	Hs.20325	Hs.20325	ESTs, Moderately similar to pot. ORF V [H.sapiens]	390.4741	-1.0961828
GF203	647866	AA205403	Hs.124779	Hs.124779	EST	390.3093	-1.2919524
GF201	430052	AA034179	Hs.18576	Hs.18576	ESTs	390.1375	
GF203	289830	N63171	Hs.116834	Hs.11711	KIAA0329 gene product	390.0383	-2.0224272
GF200	307882	W21373	Hs.24930	Hs.24930	tubulin-specific chaperone a	390.0122	1.79041629
					Human clone 23629 mRNA sequence	389.8794	
GF201	23629	R39602	Hs.90799	Hs.135587	ESTs	389.8499	-2.407956
GF203	432625	AA699457	Hs.117326	Hs.163432	ESTs	389.842	-1.2105792
GF203	191064	H40697	Hs.113906	Hs.25223	ESTs	389.688	-1.0859225
GF200	293500	N94060	Hs.49714	Hs.49714	ESTs		
					associated molecule with the SH3 domain of STAM	389.5335	
GF201	811607	AA454618	Hs.12479	Hs.12479	Homo sapiens mRNA for KIAA1212 protein, partial cds	389.5217	-1.3424034
GF203	823575	AA497044	Hs.43729	Hs.20887			

APPENDIX A

GF200	111721	T84762	Hs.7089	Hs.7089	Homo sapiens mRNA; cDNA DKFZp434O071 (from clone DKFZp434O071)	389.5126	-1.0573423
GF200	136223	R33851	Hs.5751	Hs.118958	syntaxin 11	389.5078	-1.228888
GF201	344056	W73592	Hs.103186	Hs.274136	Homo sapiens cDNA FLJ11052 fis, clone PLACE1004645	389.4398	
GF203	435145	AA705684	Hs.119913	Hs.119913	EST	389.1726	-2.6860929
GF203	435371	AA700758	Hs.58451	Hs.75442	albumin	388.941	-1.2954897
GF200	469762	AA027964	Hs.61459	Hs.138959	gap junction protein, alpha 7, 45kD (connexin 45)	388.9361	-1.1420152
GF200	727210	AA292809	Hs.89296	Hs.89296	excision repair cross- complementing rodent repair deficiency, complementation group 4	388.9029	1.212864
GF203	431369	AA706778	Hs.122810	Hs.122810	ESTs	388.8748	1.03529055
GF201	427697	AA001884	Hs.59077	Hs.59077	ESTs	388.6821	
GF200	125183	R05693	Hs.923	Hs.923	single-stranded DNA-binding protein	388.6227	1.40980249
GF203	788494	AA452545	Hs.61748	Hs.184664	ESTs	388.4741	-2.5313694
GF203	278496	N66135	Hs.28731	Hs.25615	YDD19 protein	388.3385	-1.2676124
GF200	705110	AA281152	Hs.100641	Hs.100641	caspase 9, apoptosis-related cysteine protease	388.182	-1.4338734
GF200	504877	AA151065	Hs.84149	Hs.151988	mitogen-activated protein kinase kinase kinase 5	388.014	-1.6608031
GF200	143887	R76394	Hs.29968	Hs.154737	serine protease, umbilical endothelium	388.0027	1.17315158
GF200	843070	AA488609	Hs.90734	Hs.172108	nucleoporin 88kD	388.0008	1.12433985
GF202	300024	N78903	Hs.54073	Hs.54073	ESTs, Moderately similar to !!! ALU SUBFAMILY SP WARNING ENTRY !!! [H.sapiens] DEAD/H (Asp-Glu-Ala- Asp/His) box polypeptide 11	387.9873	-1.036678
GF200	470930	AA032090	Hs.62461	Hs.27424	'S.cerevisiae CHL1-like helicase)	387.9777	1.33874764



Westbrook et al.

## APPENDIX A

GF200	824382	AA489699	Hs.75193	COP9 homolog	COP9	387.9425	-1.1622472
GF201	504081	AA131862	Hs.61857	ESTs		387.9162	
GF200	199624	R96595	Hs.35586	ESTs		387.7411	1.54126185
GF201	782578	AA447515	Hs.102402	Mad4 homolog	MAD4	387.6974	
				Homo sapiens cDNA			
				FLJ20160 fis, clone			
GF203	686664	AA259115	Hs.23412	COL09072		387.6685	1.16507584
GF203	815772	AA485140	Hs.88820	HDCMC28P protein	HDCMC28P	387.5467	-1.294028
				ESTs, Weakly similar to cell fate specification homolog			
				MAB21L1 [M.musculus]			
				regulator of mitotic spindle assembly 1			
GF200	197856	R96208	Hs.35533	fibroblast growth factor receptor 1 (fms-related		387.5394	1.62117919
GF200	145513	R77718	Hs.92278	tyrosine kinase 2, Pfeiffer syndrome)	RMSA1	387.5214	1.45381213
				ESTs			
GF201	154472	R54846	Hs.748	endothelin converting enzyme 1		387.5052	
GF203	726790	AA398394	Hs.40096		FGFR1	387.4458	-1.3475384
GF201	50882	H18427	Hs.18880	nuclear factor (erythroid-derived 2)-like 2	ECE1	387.4365	
GF201	884438	AA629687	Hs.78975	ESTs, Highly similar to OASIS protein [M.musculus]	NFE2L2	387.2982	
GF201	325126	W49690	Hs.55898	ESTs, Weakly similar to HRIHFB2157 [H.sapiens]		387.2315	
GF203	824719	AA488984	Hs.109966	ESTs		387.1807	-1.3281091
GF201	359687	AA011041	Hs.100051	Human gene from PACs 37M17 and 305B16, chromosome X, similar to small G proteins, especially RAP-2A		387.1496	
GF201	487929	AA045481	Hs.5159	ESTs		386.8839	
GF201	364547	AA022910	Hs.93125	calcium channel, voltage-dependent, alpha 1H subunit	CACNA1H	386.8484	
GF203	452676	AA779225	Hs.122359			386.8255	-1.7750703

APPENDIX A

GF201	855684	AA663910	Hs.4953	Hs.4953	golgi autoantigen, golgin subfamily a, 3	GOLGA3	386.793	
GF201	415204	W94896	Hs.20188	Hs.20188	ESTs		386.7556	
GF200	232772	H72722	Hs.36102	Hs.36102	ESTs, Highly similar to METALLOTHIONEIN-IB [H.sapiens]		386.7424	-1.0842525
GF200	703846	AA278840	Hs.79149	Hs.115740	KIAA0210 gene product	KIAA0210	386.6971	-1.2240349
GF200	200599	H48472	Hs.5985	Hs.5985	Homo sapiens clone 25186 mRNA sequence		386.2968	-1.0115178
GF200	609332	AA167222	Hs.36131	Hs.36131	collagen, type XIV, alpha 1; undulin	COL14A1	386.2567	-1.6210007
GF201	22428	T88933	Hs.79349	Hs.811	ubiquitin-conjugating enzyme E2B (RAD6 homolog)	UBE2B	385.9983	
GF200	28012	R40794	Hs.100293	Hs.100293	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	OGT	385.8548	1.61464541
GF203	172403	H20128	Hs.31656	Hs.171585	ESTs		385.8465	-1.4284204
GF203	85171	T71316	Hs.75290	Hs.75290	ADP-ribosylation factor 4	ARF4	385.7813	-2.4448587
GF200	950369	AA600190	Hs.84790	Hs.84790	KIAA0225 protein	KIAA0225	385.71	1.02877591
GF203	362686	AA018618	Hs.32703	Hs.32703	ESTs		385.6819	-1.0541606
GF200	357970	W92594	Hs.18368	Hs.18368	DKFZP564B0769 protein integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	DKFZP564B0769	385.6713	-1.4521526
GF203	823964	AA490846	Hs.81929	Hs.40034	neuregulin-3 [M.musculus]	ITGA4	385.654	2.16361567
GF201	52754	H29781	Hs.19515	Hs.19515	ESTs, Highly similar to Homo sapiens mRNA; cDNA DKFZp434E146 (from clone DKFZp434E146)		385.5987	
GF201	810411	AA457102	Hs.6120	Hs.6120	ESTs		385.4219	-1.4053723
GF200	201264	R99311	Hs.12097	Hs.12097	Human clone 23721 mRNA sequence		385.1376	
GF200	34773	R45056	Hs.22868	Hs.83572			385.0598	-1.6166157

Westbrook et al.

## APPENDIX A

GF200	68225	T53022	Hs.9564	Hs.153527	Human clone 121711 defective mariner transposon Hsmar2 mRNA sequence purinergic receptor (family A group 5) ESTs arachidonate 5-lipoxygenase Homo sapiens mRNA; cDNA DKFZp434H092 (from clone DKFZp434H092); partial cds ESTs ESTs gene near HD on 4p16.3 with homology to hypothetical S. pombe gene KIAA0417 gene product alpha-2-glycoprotein 1, zinc ESTs crystallin, zeta (quinone reductase)-like 1 KIAA0979 protein ESTs chaperonin containing TCP1, subunit 7 (eta) Homo sapiens clone 25088 mRNA sequence pim-1 oncogene tropomyosin 1 (alpha) S-phase response (cyclin- related) S-phase response (cyclin- related) ESTs Homo sapiens mRNA; cDNA DKFZp564L0864 (from clone DKFZp564L0864); partial cds	384.9405	1.32368294
GF201	303109	N90783	Hs.101544	Hs.189999	P2Y5	384.8042	-1.546679
GF203	396307	AA758454	Hs.121256	Hs.269623	ALOX5	384.6355	-1.6201992
GF200	179890	H51574	Hs.89499	Hs.89499		384.5792	
GF203	139313	R64372	Hs.28514	Hs.28514		384.4378	-1.1664372
GF203	753028	AA436456	Hs.98873	Hs.98873		384.3044	-1.4587556
GF201	120929	T96107	Hs.106832	Hs.221776		384.2031	
GF201	433256	AA699419	Hs.117487	Hs.117487	RES4-25	384.1925	
GF201	50295	H17950	Hs.12385	Hs.12385	KIAA0417	384.1768	
GF203	1456160	AA862465	Hs.71	Hs.71	AZGP1	384.1212	-2.7013892
GF203	154379	R53101	Hs.26000	Hs.26000		384.0844	-2.5837783
GF203	814288	AA459008	Hs.25854	Hs.25854	CRYZL1	384.0788	-1.2372285
GF201	220700	H93424	Hs.100190	Hs.168625	KIAA0979	383.9898	
GF203	450532	AA704230	Hs.38613	Hs.38613		383.8782	1.03680782
GF201	882484	AA676588	Hs.108809	Hs.108809	CCT7	383.7395	
GF201	504647	AA149105	Hs.25347	Hs.4863		383.4923	
GF201	810036	AA455270	Hs.29131	Hs.81170	PIM1	383.4812	
GF200	341328	W58092	Hs.77899	Hs.77899	TPM1	383.3531	-1.0148674
GF200	38763	R51052	Hs.85270	Hs.250595	SPHAR	383.3418	-1.9373804
GF200	38763	R51052	RG.49	Hs.250595	SPHAR	383.3418	-1.9373804
GF200	144762	R77213	Hs.25023	Hs.25023		383.295	-1.9591981
GF203	383881	AA700937	Hs.21015	Hs.21015		383.2881	-1.3908603

Westbrook et al.

APPENDIX A

GF203	856639	AA669318	Hs.116674	Hs.116674	pre-mRNA splicing factor non-metastatic cells 3, protein expressed in	PRP17	383.2587	-1.3420068
GF201	726658	AA398218	Hs.81687	Hs.81687	KIAA1012 protein	NME3	383.2433	
GF203	28654	R40574	Hs.42959	Hs.42959	ESTs	KIAA1012	383.1318	-1.3746884
GF201	360065	AA053815	Hs.23245	Hs.23245	ESTs		383.1225	
GF203	223121	H84130	Hs.114256	Hs.114256	ESTs		383.1022	-2.6892904
GF201	191866	H40350	Hs.33752	Hs.124977	translation initiation factor IF2	IF2	383.0201	
GF203	814235	AA465242	Hs.4206	Hs.158688	small nuclear ribonucleoprotein polypeptide		383.0054	-1.7576396
GF201	852913	AA668189	Hs.105465	Hs.105465	F	SNRPF	382.9817	
GF203	704519	AA279533	Hs.88635	Hs.77910	3-hydroxy-3-methylglutaryl- Coenzyme A synthase 1			
GF201	46611	H10009	Hs.23540	Hs.23540	(soluble)	HMGCS1	382.9485	-1.3294944
GF203	823647	AA496984	Hs.9271	Hs.9271	ESTs		382.8455	
GF202	625149	AA181927	Hs.29940	Hs.34401	KIAA1071 protein	KIAA1071	382.8043	-1.3934056
					HT015 protein	LOC51312	382.796	-2.8944045
GF200	210887	H65676	Hs.119222	Hs.119222	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70- interacting protein)	ST13	382.7957	1.16840016
GF200	210887	H65676	Hs.75971	Hs.119222	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70- interacting protein)	ST13	382.7957	1.16840016
GF200	376875	AA047666	Hs.1424	Hs.1424	flavin containing monooxygenase 1	FMO1	382.3047	1.07737762
GF200	813818	AA453701	Hs.5158	Hs.5158	KIAA0409 protein	KIAA0409	382.2508	1.58464976
GF203	151766	H04230	Hs.11517	Hs.11517	ESTs		382.2485	-1.2388363
GF201	429911	AA033985	Hs.61714	Hs.61714	ESTs		381.8926	
GF203	788354	AA453021	Hs.99298	Hs.99298	ESTs		381.8082	-1.6640422
GF200	206544	H59365	Hs.16995	Hs.238954	ESTs		381.7983	1.12789827
GF201	46213	H09636	Hs.90149	Hs.110713	DEK oncogene (DNA binding)	DEK	381.7795	
					ESTs, Weakly similar to !!!!			
					ALU SUBFAMILY J			
					WARNING ENTRY !!!!			
					[H.sapiens]			
GF201	50587	H17620	Hs.22562	Hs.226429			381.7646	

APPENDIX A

GF200	713145	AA282906	Hs.57649	Hs.169610	CD44	381.6196	1.37321374
					CD44 antigen (homing function and Indian blood group system)		
GF201	301104	N81049	Hs.43979	Hs.45127	CSPG5	381.5228	
GF203	859118	AA668255	Hs.25994	Hs.44131	KIAA0974	381.4277	-1.7541542
GF203	29030	R40377	Hs.26301	Hs.111515	DKFZP58611023 protein	381.3171	-1.2661011
GF200	128775	R10007	Hs.106008	Hs.194146	ESTs	381.3037	1.15676905
					proteoglycan 5 (neuroglycan C)		
					chondroitin sulfate		
					DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68kD)		
GF200	162775	H27564	Hs.76053	Hs.76053	DDX5	380.9288	1.01572427
GF201	50299	H17954	Hs.6664	Hs.6664	ESTs	380.9024	
					nuclease sensitive element binding protein 1		
GF203	221212	H91845	Hs.117954	Hs.74497	NSEP1	380.6719	1.15853943
GF202	742708	AA400102	Hs.49051	Hs.49051	ESTs	380.6102	-2.0534605
GF201	434826	AA703116	Hs.114169	Hs.229950	KIAA0415 gene product	380.5867	
GF203	256981	N30224	Hs.114447	Hs.114447	ESTs	380.5639	-1.4454823
GF200	110791	T90641	Hs.15187	Hs.191164	ESTs	380.5449	-1.3280976
					Homo sapiens mRNA for KIAA1146 protein, partial cds		
GF201	809430	AA458453	Hs.88737	Hs.153489	ESTs	380.5016	
GF200	768453	AA495944	Hs.50740	Hs.50740	ESTs	380.4934	-1.3435217
					nuclear receptor binding protein		
GF203	128791	R16767	Hs.113310	Hs.272736	NRBP	380.4924	-1.2359023
					pregnancy specific beta-1-glycoprotein 9		
GF201	132594	R26803	Hs.24002	Hs.272620	PSG9	380.4657	
GF203	382643	AA069444	Hs.79855	Hs.87889	KIAA0928	380.379	-1.6978636
					helicase-moi		
					spastic paraplegia 7, paraplegin (pure and complicated autosomal recessive)		
GF200	825335	AA504559	Hs.78497	Hs.78497	SPG7	380.3528	-1.6020733
GF201	201217	R99293	Hs.36111	Hs.220651	ESTs	380.1572	
					ESTs, Weakly similar to CAGH4 [H.sapiens]		
GF203	221695	H92642	Hs.41641	Hs.41641		380.1266	-1.2177027

Westbrook et al.

APPENDIX A

GF200	210717	H64346	Hs.1501	Hs.1501	syndecan 2 (heparan sulfate proteoglycan 1, cell surface-associated, fibroglycan)	SDC2	380.0978	1.07903287
GF201	306726	N91868	Hs.13305	Hs.13305	ESTs		380.0957	
GF200	113048	T87069	Hs.8989	Hs.5459	Homo sapiens mRNA for KIAA1436 protein, partial cds		380.0518	1.08591255
GF201	74114	T54914	Hs.9833	Hs.111515	DKFZP58611023 protein	DKFZP58611023	380.0174	
GF200	146726	R80299	Hs.17262	Hs.17262	KIAA0352 gene product	KIAA0352	379.68	-1.3234307
GF201	611407	AA180013	Hs.80796	Hs.241363	hyaluronan-binding protein 2	HABP2	379.6659	
GF203	396358	AA758379	Hs.121574	Hs.121574	ESTs		379.4499	-1.5593084
					Homo sapiens mRNA; cDNA			
GF201	283995	N53378	Hs.22543	Hs.22543	DKFZp76111912 (from clone DKFZp76111912)		379.4041	
GF201	782450	AA431434	Hs.30819	Hs.30819	ESTs		379.2342	
GF200	47559	H11564	Hs.73957	Hs.73957	RAB5A, member RAS oncogene family	RAB5A	379.23	1.43086384
GF203	756554	AA481437	Hs.24983	Hs.24983	ESTs, Highly similar to R31341_1 [H.sapiens]		379.2228	-1.5145694
GF201	361996	AA001536	Hs.69749	Hs.69749	KIAA0087 gene product	KIAA0087	379.1447	
					Homo sapiens cDNA			
GF201	34405	R44357	Hs.101175	Hs.48712	FLJ20736 fis, clone HEP08473		379.0898	
GF201	502123	AA129724	Hs.61439	Hs.193344	ESTs		379.0734	
GF200	79828	T64094	Hs.79391	Hs.79391	huntingtin (Huntington disease)	HD	378.6805	-1.2717444
GF200	108422	T77847	Hs.25213	Hs.25213	hypothetical protein keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)	DKFZP586F1318	378.4831	1.35435232
GF200	592540	AA160507	Hs.862	Hs.195850	ESTs	KRT5	378.2901	-1.0655214
GF200	132848	R25641	Hs.23917	Hs.23917	murine leukemia viral (bmi-1) oncogene homolog	BMI1	378.281	1.00810173
GF200	740457	AA478036	Hs.431	Hs.431	v-raf-1 murine leukemia viral oncogene homolog 1	RAF1	378.2666	1.08803773
GF200	267634	N25425	RG.22	Hs.85181	oncogene homolog 1		378.1407	-1.0856132
GF203	450192	AA703524	Hs.17268	Hs.17268	ESTs		378.0866	-2.3682008

## APPENDIX A

GF200	757381	AA437139	Hs.98938	Hs.98938	KIAA0345 gene product Homo sapiens mRNA; cDNA	KIAA0345	378.0808	1.35062743
GF203	855336	AA630376	Hs.8121	Hs.8121	DKFZp586M0918 (from clone DKFZp586M0918)		377.8373	-1.0459477
GF201	230882	R95962	Hs.89506	Hs.89506	paired box gene 6 (aniridia, keratitis)	PAX6	377.8159	
GF200	109123	T80978	Hs.36475	Hs.36475	ESTs		377.8033	-1.8388216
GF203	197651	R94504	Hs.102000	Hs.102000	ESTs		377.7081	-1.2864945
GF200	66354	T66840	Hs.108674	Hs.173684	ESTs, Highly similar to NY- REN-37 antigen [H.sapiens]		377.6734	-1.920782
GF201	488054	AA053296	Hs.63136	Hs.63136	ESTs		377.6683	
GF200	172440	H20138	Hs.107563	Hs.5636	RAB6, member RAS oncogene family	RAB6	377.614	1.18550988
GF200	172440	H20138	RG.8	Hs.5636	RAB6, member RAS oncogene family	RAB6	377.614	1.18550988
GF203	133341	R27193	Hs.28980	Hs.28980	ESTs, Weakly similar to fos39554_1 [H.sapiens]		377.5584	-2.4112819
GF203	270932	N29883	Hs.42788	Hs.42788	ESTs		377.486	1.21143366
GF200	365060	AA025058	Hs.75618	Hs.75618	RAB11A, member RAS oncogene family	RAB11A	377.4604	1.40991211
GF203	685381	AA243581	Hs.94869	Hs.94869	ESTs		377.3595	-1.3067291
GF200	302549	N80235	Hs.76521	Hs.150557	basic transcription element binding protein 1	BTEB1	377.0277	-1.6935712
GF200	509823	AA054073	Hs.73848	Hs.73848	carcinoembryonic antigen- related cell adhesion molecule 6 (non-specific cross reacting antigen)	CEACAM6	376.8679	-1.0383843
GF200	188036	H44784	Hs.620	Hs.620	bullous pemphigoid antigen 1 (230/240kD)	BPAG1	376.6388	1.32466027
GF203	666159	AA233620	Hs.23756	Hs.23756	ESTs		376.6382	-1.1745119
GF201	222457	H86117	Hs.40888	Hs.40888	activity-regulated cytoskeleton- associated protein	ARC	376.5732	
GF203	211376	H68690	Hs.38784	Hs.268976	ESTs		376.1078	-1.3455318
GF203	282893	N51225	Hs.24542	Hs.154294	discs, large (Drosophila) homolog 1	DLG1	375.993	-1.4339482

Westbrook et al.

APPENDIX A

GF203	431245	AA682545	Hs.118554	Hs.118554	ESTs, Highly similar to CGI-83 protein [H.sapiens] ESTs	375.9594	-1.5208268
GF203	221976	H85536	Hs.108551	Hs.108551		375.85	-1.2202698
GF200	129146	R10896	Hs.30888	Hs.30888	cytochrome c oxidase subunit VIa polypeptide 2 like COX7A2L	375.843	-1.3574684
GF203	382451	AA064627	Hs.18341	Hs.18341	Homo sapiens BAC 137K3 chromosome 8 map 8q24.3 containing part of gene for CGI-72 protein and part of thyroglobulin gene, complete sequence	375.8357	-1.6905331
GF203	859228	AA666366	Hs.11223	Hs.11223	isocitrate dehydrogenase 1 (NADP+), soluble IDH1	375.7921	-1.1346247
GF203	267541	N24538	Hs.102441	Hs.102441	ESTs, Weakly similar to 1-evidence	375.6406	-2.7662283
GF200	204684	H57135	Hs.36885	Hs.268921	ESTs	375.6349	-2.1040208
GF200	246703	N59716	Hs.6483	Hs.6483	chromosome X open reading frame 5 CXORF5	375.5968	1.23098786
GF203	812244	AA455042	Hs.15159	Hs.15159	transmembrane proteolipid	375.57	-2.3630595
GF203	450997	AA704278	Hs.131486	Hs.271432	ESTs	375.5037	-2.8825455
GF201	809513	AA454564	Hs.11367	Hs.11367	Human DNA sequence from clone RP1-317E23 on chromosome 1p36.13.	375.4871	
GF203	461403	AA704945	Hs.97993	Hs.97993	Contains the 3' end of a putative novel gene, two novel genes and a mannosyl-oligosaccharide alpha-1,2-mannosidase pseudogene. Contains ESTs, STSs, GSSs and two putative CpG islands	375.4568	-1.3172432
GF203	823627	AA496963	Hs.8845	Hs.173684	ESTs, Moderately similar to SERP1 [H.sapiens]	375.3975	-1.6923738
GF200	82710	T73468	Hs.89552	Hs.89552	ESTs, Highly similar to NY-REN-37 antigen [H.sapiens] glutathione S-transferase A2 GSTA2	375.327	1.25391381



Westbrook et al.

APPENDIX A

GF201	430268	AA010559	Hs.18001	Hs.18001	ESTs	375.2745	
GF203	211275	H68838	Hs.108301	Hs.108301	nuclear receptor subfamily 2, group C, member 1	375.2665	1.0541481
GF200	51447	H20872	Hs.763	Hs.176663	Fc fragment of IgG, low affinity IIIa, receptor for (CD16)	375.2148	1.08365113
GF203	454446	AA677309	Hs.105343	Hs.25999	Homo sapiens clone 23781 mRNA sequence	374.9756	-1.1482108
GF203	752547	AA410893	Hs.31834	Hs.31834	Homo sapiens clone 25129 mRNA sequence	374.6582	-2.0439056
GF203	281706	N48062	Hs.13809	Hs.13809	ESTs	374.4425	-1.8077358
GF201	40102	R54592	Hs.78878	Hs.127376	KIAA0266 gene product	374.3323	
GF201	128753	R16838	Hs.1363	Hs.132219	ESTs	374.1968	
GF200	364921	AA024656	Hs.5336	Hs.166011	catenin (cadherin-associated protein), delta 1	374.0204	-1.4664758
GF201	289283	N73703	Hs.37449	Hs.111515	DKFZP58611023 protein	374.0025	
GF203	451732	AA707671	Hs.12351	Hs.64988	ESTs	373.9081	-1.5213492
GF203	449053	AA777413	Hs.26315	Hs.180058	ESTs	373.8114	-1.1005244
GF201	435036	AA700054	Hs.3416	Hs.3416	adipose differentiation-related protein; adipophilin	373.8055	
GF203	858167	AA633818	Hs.81452	Hs.81452	fatty-acid-Coenzyme A ligase, long-chain 4	373.7805	-1.2442618
GF201	46730	H10302	Hs.20527	Hs.20527	ESTs	373.5847	
GF200	179804	H50886	Hs.79380	Hs.79380	PWP2 (periodic tryptophan protein, yeast) homolog	373.3834	-1.2724946
GF200	120306	T97204	Hs.100709	Hs.17998	ESTs	373.0498	-1.0348411
GF201	853687	AA668425	Hs.904	Hs.904	amylase-1,6-glucosidase, 4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III)	373.0372	
GF200	293104	N91990	Hs.14958	Hs.172887	phytanoyl-CoA hydroxylase (Refsum disease)	372.9721	-1.4063384
GF201	430092	AA009840	Hs.57146	Hs.171889	synaptonemal complex protein 3	372.9547	
GF200	66335	T66831	Hs.12952	Hs.182712	ESTs	372.923	-1.2966149

APPENDIX A

GF202	322028	W37424	Hs.29258	Hs.29258	ESTs filamin A, alpha (actin-binding protein-280) FLNA EST	372.7935 -1.2776736
GF200	898281	AA598978	Hs.76279	Hs.195464		372.7896 1.03631772
GF200	130294	R21232	Hs.23151	Hs.23151		372.7515 1.95980046
GF201	489031	AA057073	Hs.47638	Hs.47638	ESTs, Highly similar to KIAA0934 protein [H.sapiens]	372.7465
GF200	143654	R75884	Hs.25009	Hs.188554	ESTs	372.6482 -1.5381702
GF200	138991	R62603	Hs.80988	Hs.80988	collagen, type VI, alpha 3 COL6A3	372.604 1.07013564
GF201	795719	AA460026	Hs.97356	Hs.188795	ESTs	372.5354
GF203	590298	AA147837	Hs.19347	Hs.19347	ESTs gene with multiple splice variants near HD locus on 4p16.3	372.5286 1.59091782
GF201	504794	AA150741	Hs.100074	Hs.184411	RES4-22	372.4724
GF200	138496	R68634	Hs.25095	Hs.139033	paternally expressed gene 3 PEG3	372.4359 -1.3124105
GF201	427930	AA001976	Hs.19603	Hs.19603	ESTs	372.3492
GF203	432039	AA678287	Hs.118358	Hs.118358	ESTs amyloid beta (A4) precursor protein-binding, family A, member 3 (X11-like 2)	372.2497 -1.242497
GF200	303196	W19429	Hs.17528	Hs.17528	APBA3	372.2468 -1.0769264
GF201	229666	H68542	Hs.108119	Hs.198271	NDUFA10	372.2291
GF201	257634	N27280	Hs.107156	Hs.25274	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10 (42kD) ESTs, Moderately similar to putative seven pass transmembrane protein [H.sapiens]	372.091
GF201	504555	AA150093	Hs.13463	Hs.21586	cofactor required for Sp1 transcriptional activation, subunit 2 (150kD)	371.9069
GF201	502664	AA127069	Hs.35861	Hs.35861	CRSP2	371.8134
GF200	132215	R25213	Hs.10172	Hs.10172	DKFZP586E1621 protein	371.7263 -1.0763985
GF203	277480	N56877	Hs.127313	Hs.221490	ESTs	371.6646 -1.6463212
GF200	135789	R33353	Hs.33028	Hs.181785	ESTs	371.5857 -2.2894763
GF201	811066	AA485443	Hs.6984	Hs.153639	hypothetical SBB103 protein SBB103	371.5843
GF203	450581	AA704589	Hs.119831	Hs.186832	ESTs	371.5815 1.17185275

## APPENDIX A

GF203	360644	AA015819	Hs.40949	Hs.205558	ESTs nucleophosmin (nucleolar phosphoprotein B23, numatrin)	371.3888	1.00356121
GF203	295868	N67007	Hs.77581	Hs.173205	NPM1 SEC24 (S. cerevisiae) related gene family, member A	371.3049	-1.3318766
GF203	137296	R36592	Hs.30294	Hs.211612	SEC24A	371.2258	1.15698911
GF200	296562	N70226	Hs.81073	Hs.81073	FETUB fetuin B	371.2152	-1.7471158
GF203	824936	AA489033	Hs.62601	Hs.62601	Homo sapiens mRNA; cDNA	371.1536	1.19269013
GF200	823871	AA490694	Hs.75445	Hs.75445	DKFZp586K1318 (from clone DKFZp586K1318)	371.1271	1.11582306
GF200	292806	N69204	Hs.90073	Hs.90073	hevin chromosome segregation 1 (yeast homolog)-like	371.0051	-1.2366496
GF200	567414	AA130846	Hs.84928	Hs.84928	nuclear transcription factor Y, beta	370.8309	-1.5343123
GF203	434783	AA701877	Hs.114075	Hs.163929	ESTs	370.7773	-1.3734229
GF200	212772	H70099	Hs.38897	Hs.172195	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	370.6213	-1.0311783
GF203	35681	R45970	Hs.26349	Hs.236349	MGAT2 EST	370.4017	-1.3100665
GF200	490306	AA127685	Hs.91586	Hs.91586	transmembrane 9 superfamily member 1	370.1399	-2.5259184
GF200	242700	H94163	Hs.32777	Hs.183643	TM9SF1 ESTs	370.0788	-1.4849724
GF200	242780	H93604	Hs.41917	Hs.193830	ESTs, Highly similar to KIAA0554 protein [H.sapiens]	370.0556	-1.4123094
GF200	201483	R97251	Hs.6860	Hs.179882	Homo sapiens clone 24655 mRNA sequence	369.9515	-1.1942541
GF201	327220	AA284268	Hs.25024	Hs.180178	ESTs, Weakly similar to BREAST CANCER TYPE 1	369.927	
GF201	53203	R15800	Hs.94834	Hs.94834	SUSCEPTIBILITY PROTEIN [H.sapiens] ESTs	369.8943	

## APPENDIX A

GF200	240938	H90990	Hs.26937	Hs.26937	brain and nasopharyngeal carcinoma susceptibility protein	NSG-X	369.8316	1.52976552
GF200	301976	W17217	Hs.75206	Hs.75206	protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma)	PPP3CC	369.8233	-1.3708512
GF202	844725	AA670134	Hs.75395	Hs.118174	tetrapeptide repeat domain 3	TTC3	369.4316	-1.033543
GF203	450111	AA703519	Hs.120964	Hs.120964	ESTs		369.4108	-1.7113135
GF202	261253	H98248	Hs.23762	Hs.23762	ESTs		369.4021	-1.9747631
GF201	148800	H13424	Hs.109545	Hs.71119	Putative prostate cancer tumor suppressor	N33	369.236	
GF201	23728	R39555	Hs.12481	Hs.153106	Homo sapiens clone 23728 mRNA sequence		369.1763	
GF201	121700	T97675	Hs.15944	Hs.239720	Homo sapiens cDNA FLJ20655 fis, clone KAT01590		369.1349	
GF200	810117	AA465051	Hs.75510	Hs.75510	annexin A11	ANXA11	369.1022	1.51749903
GF203	281053	N50907	Hs.126899	Hs.126899	Homo sapiens cDNA FLJ20555 fis, clone KAT11822		369.0786	-1.5363024
GF201	262035	H98688	Hs.42550	Hs.269034	ESTs		369.0443	
GF200	80915	T70109	Hs.469	Hs.469	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	SDHA	368.9895	-1.0074483
GF201	810050	AA455286	Hs.54982	Hs.54982	ESTs, Weakly similar to !!!! ALU SUBFAMILY SB2 WARNING ENTRY !!!! [H.sapiens]		368.9641	
GF200	366834	AA029418	Hs.25482	Hs.25482	envoplakin	EVPL	368.9439	-1.7863938
GF201	624429	AA182680	Hs.39163	Hs.167354	ESTs		368.9327	
GF201	49546	H15429	Hs.20013	Hs.20013	DKFZP564O2082 protein	DKFZP564O2082	368.9044	
GF201	347670	W81472	Hs.14333	Hs.14333	ESTs		368.8544	

T02020" 86225860

## APPENDIX A

GF203	701790	AA292714	Hs.96610	Hs.165328	ESTs, Highly similar to Similar to a C.elegans protein in cosmid C14H10 [H.sapiens] ESTs	368.8299	-1.5861708
GF201	771010	AA427722	Hs.38489	Hs.38489		368.7231	
GF200	80374	T65833	Hs.1023	Hs.1023	pyruvate dehydrogenase (lipoamide) alpha 1 PDHA1	368.7133	1.19844387
GF200	41672	R52873	Hs.7006	Hs.7006		368.7115	-1.4168702
GF200	26566	R37635	Hs.76689	Hs.99654	KIAA0378 protein protein-O-	368.6591	1.11191571
GF201	85224	T71578	Hs.12088	Hs.180789	mannosyltransferase 1 Homo sapiens (clone S164)	368.513	
GF200	292613	N68565	Hs.75442	Hs.269339	mRNA, 3' end of cds ESTs	368.5119	-1.3723903
GF201	795202	AA453578	Hs.97560	Hs.120994	ESTs, Weakly similar to Similarity to Human ADP/ATP carrier protein [C.elegans] NADH dehydrogenase (ubiquinone) 1 alpha	368.3688	
GF200	296177	N70015	Hs.22338	Hs.108661		368.0884	1.17827331
GF201	194638	R84398	Hs.90883	Hs.193651	ESTs, Weakly similar to alternatively spliced product using exon 13A [H.sapiens] ESTs, Weakly similar to !!!! ALU CLASS B WARNING	368.0661	
GF200	194342	H50667	Hs.8360	Hs.8360	ENTRY !!!! [H.sapiens] Homo sapiens cDNA FLJ20159 fis, clone COL08969	367.9608	1.34786126
GF200	136117	R33273	Hs.24609	Hs.161554	c-src tyrosine kinase CSK	367.9301	1.17857941
GF200	526282	AA078778	Hs.77793	Hs.77793		367.872	1.0569935
GF200	898237	AA598629	Hs.79262	Hs.274348	HLA-B associated transcript-3 D6S52E ESTs annexin A1 KIAA0308 protein	367.8159	1.06511501
GF202	743057	AA406046	Hs.63375	Hs.191464		367.5305	-1.4713118
GF203	825172	AA504162	Hs.61399	Hs.78225		367.5257	1.21132681
GF200	147630	R81880	Hs.10351	Hs.10351		367.4856	1.25976109

## APPENDIX A

GF201	782853	AA448286	Hs.98074	Hs.98074	ESTs, Highly similar to atrophin-1 interacting protein 4 [H.sapiens]	367.4465	
GF200	235070	H79241	Hs.16230	Hs.16230	Homo sapiens cDNA FLJ20619 fis, clone KAT05037	367.3372	-1.3424644
GF201	429895	AA034040	Hs.48134	Hs.271787	ESTs	367.3157	
GF201	590591	AA148045	Hs.12373	Hs.12373	KIAA0422 protein KIAA0422	367.3015	
GF200	167076	R89700	Hs.27788	Hs.27788	ESTs	367.275	-1.2820018
GF201	284263	N52186	Hs.26133	Hs.26133	ESTs	367.1905	
GF201	49567	H15114	Hs.90802	Hs.159264	Human clone 23948 mRNA sequence	367.1817	
GF200	193724	H47863	Hs.34023	Hs.171618	ESTs	367.1525	1.4765114
GF203	306446	N92712	Hs.47008	Hs.47008	ESTs, Weakly similar to keratin, 67K type II	367.082	-1.8024448
GF200	240151	H82706	Hs.76667	Hs.180919	cytoskeletal [H.sapiens]	367.0552	-1.6579867
GF200	243653	N49899	Hs.46981	Hs.46981	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	367.0382	1.43006251
GF200	301849	N92469	Hs.25732	Hs.25732	ESTs	367.0362	-1.1002795
GF200	71626	T57959	Hs.2481	Hs.183291	eukaryotic translation initiation factor 4 gamma, 3	367.0331	1.1876103
GF200	66711	T64885	Hs.108535	Hs.181409	zinc finger protein 268	366.9273	1.84759926
GF200	136560	R34492	Hs.90865	Hs.194737	KIAA1007 protein KIAA0453 protein	366.9193	-1.3453529
GF200	898148	AA598496	Hs.1742	Hs.1742	IQ motif containing GTPase activating protein 1	366.863	-1.5884423
GF201	341834	W60647	Hs.27278	Hs.27278	ESTs, Weakly similar to Chain A, Cyclophilin A Complexed With Cyclosporin A	366.7602	
GF200	138304	R68021	Hs.21829	Hs.238272	[H.sapiens] inositol 1,4,5-triphosphate receptor, type 2	366.7007	-2.2783968
GF201	359641	AA010868	Hs.93391	Hs.93391	Homo sapiens cDNA FLJ10539 fis, clone NT2RP2001218	366.6249	

## APPENDIX A

GF203	686733	AA259151	Hs.14920	Hs.14920	Homo sapiens mRNA; cDNA DKFZp564I1916 (from clone DKFZp564I1916)	366.5522	1.18990385
GF200	754600	AA406269	Hs.99929	Hs.35841	nuclear factor I/X (CCAAT- binding transcription factor)	366.4229	-1.1823778
GF203	451664	AA707550	Hs.120026	Hs.120026	NFIX EST	366.3338	-1.1374198
GF200	824511	AA490537	Hs.16101	Hs.156000	zinc finger protein homologous to Zfp161 in mouse	366.3314	-1.0487975
GF201	428936	AA004862	Hs.15917	Hs.10669	KIAA1249 ESTs, Weakly similar to ACYL- COA DEHYDROGENASE, VERY-LONG-CHAIN SPECIFIC PRECURSOR	366.2513	
GF201	810852	AA458956	Hs.7010	Hs.7010	[H.sapiens] ESTs, Highly similar to ubiquitin-conjugating enzyme [M.musculus]	366.1042	
GF201	134265	R31114	Hs.24386	Hs.132880	ESTs	366.0801	
GF201	141726	R69584	Hs.106120	Hs.269392	Homo sapiens mRNA from chromosome 5q21-22, clone:A3-A	366.0797	
GF200	138141	R53891	Hs.26074	Hs.278391	claudin 5 (transmembrane protein deleted in velocardiofacial syndrome)	366.0287	1.86994003
GF203	243181	H94482	Hs.110903	Hs.110903	ESTs	365.9942	-1.6781088
GF203	270665	N29590	Hs.43854	Hs.43854	ESTs	365.9579	1.15011154
GF200	127636	R09301	Hs.20321	Hs.20321	ESTs	365.9415	-1.563348
GF203	826130	AA521335	Hs.96840	Hs.96840	ESTs myeloid/lymphoid or mixed- lineage leukemia (trithorax (Drosophila) homolog); translocated to, 7	365.8752	-1.5816181
GF200	70349	T54418	Hs.96026	Hs.239663	MLLT7	365.8114	-1.6170598
GF200	138210	R53917	Hs.26079	Hs.26079	ESTs	365.7868	-1.2256574
GF203	814995	AA465090	Hs.44269	Hs.44269	ESTs	365.5986	-1.5672624

T02020" 86226860

## APPENDIX A

GF200	48182	H12279	Hs.22832	Hs.167473	ESTs, Highly similar to phosphoglucomutase-related protein [H.sapiens]	365.5119	1.19214132
GF200	110746	T83098	Hs.15155	Hs.15155		365.4476	1.13275112
GF203	745514	AA626237	Hs.131716	Hs.187396	ESTs, Weakly similar to Gag-Pol polyprotein [M.musculus]	365.4204	-1.4302146
GF203	786657	AA451886	Hs.99258	Hs.99258		365.318	-2.381643
GF201	504678	AA142942	Hs.30540	Hs.227146	Homo sapiens mRNA; cDNA DKFZp564J142 (from clone DKFZp564J142)	365.1346	
GF203	741937	AA402043	Hs.29008	Hs.29008		365.1188	-1.391119
GF201	782141	AA431190	Hs.98580	Hs.183747	ESTs, Moderately similar to CALCINEURIN B SUBUNIT ISOFORM 1 [H.sapiens]	365.1056	
GF201	49959	H29292	Hs.27175	Hs.179747	ecotropic viral integration site 5	365.1039	
GF200	377191	AA055193	Hs.23528	Hs.23528	ESTs, Highly similar to HSPC038 protein [H.sapiens]	365.0267	-1.1693753
GF200	124753	R02189	Hs.94395	Hs.94395	ATP-binding cassette, sub-family D (ALD), member 4	364.9828	1.11793413
GF200	812126	AA455338	Hs.15798	Hs.250653	glycophorin B (includes Ss blood group)	364.9149	-1.0055466
GF200	812126	AA455338	Hs.117967	Hs.250653	glycophorin B (includes Ss blood group)	364.9149	-1.0055466
GF200	509760	AA054421	Hs.104114	Hs.91096	ring finger protein	364.7474	-1.4845368
GF200	233547	H78368	Hs.26169	Hs.26169	ESTs	364.7031	1.54834351
GF201	782718	AA447974	Hs.21922	Hs.111515	DKFZP58611023 protein	364.4856	
GF200	198605	R94946	Hs.15514	Hs.15514	ESTs	364.3615	-1.3913709
GF201	758305	AA404249	Hs.77646	Hs.77646	Homo sapiens mRNA; cDNA DKFZp761M0223 (from clone DKFZp761M0223)	364.3553	
GF203	815536	AA457039	Hs.99734	Hs.99734	ESTs	364.3412	-1.2542418
GF203	153838	R48477	Hs.118600	Hs.267007	ESTs	363.8906	-1.8852019
GF200	125809	R07702	Hs.20023	Hs.20023	ESTs	363.6892	-1.0252723
GF200	293820	N94245	Hs.94479	Hs.94479	transmembrane protein 1	363.6354	-1.189511
GF200	233274	H77485	Hs.64691	Hs.64691	KIAA0483 protein	363.5097	-1.6139349



APPENDIX A

GF203	38028	R59370	Hs.101251	Hs.101251	EST	363.4875	-1.2182812
					mitogen-activated protein		
GF200	33826	R19938	Hs.3446	Hs.3446	kinase kinase 1	363.4004	-1.0267445
GF203	756662	AA443886	Hs.76852	Hs.76852	KIAA0943 protein	363.3723	-1.3823256
					KIAA0943		
					Homo sapiens cDNA		
GF203	188422	H44838	Hs.118964	Hs.118964	FLJ20085 fis, clone	363.0789	-1.2218976
					COL03604		
					Homo sapiens mRNA for		
GF203	362756	AA018671	Hs.40719	Hs.40719	KIAA1164 protein, partial cds	363.0115	-1.1727827
GF203	487761	AA045180	Hs.13063	Hs.13063	transcription factor CA150	362.9856	-1.6224715
					CA150		
					ESTs, Weakly similar to weak		
					similarity to collagens		
GF203	502683	AA127215	Hs.17056	Hs.127824	[C.elegans]	362.9046	-2.008864
					Human cadherin-associated		
					protein-related (cap-r) mRNA,		
					complete cds	362.8259	
GF201	177772	H45976	Hs.78696	Hs.150917	presenilin 2 (Alzheimer	362.7488	-1.4289357
					disease 4)		
GF200	380620	AA056325	RG.48	Hs.25363	PSEN2		
					Homo sapiens mRNA for		
GF203	219929	H81802	Hs.40293	Hs.109315	KIAA1415 protein, partial cds	362.6683	1.0344394
GF201	128266	R12480	Hs.15905	Hs.268611	ESTs	362.6597	
					zinc finger protein 183 (RING		
GF200	587525	AA132766	Hs.64794	Hs.64794	finger, C3HC4 type)	362.503	-1.6589816
					Homo sapiens mRNA; cDNA		
					DKFZp586N1323 (from clone		
					DKFZp586N1323)	362.3101	1.56308757
GF200	134120	R30941	Hs.24353	Hs.24064	ESTs, Highly similar to insulin		
					receptor substrate like protein		
					[H.sapiens]		
GF203	415696	W85913	Hs.30827	Hs.30827	ESTs	362.3074	-1.7543935
GF203	713114	AA282985	Hs.89081	Hs.89081	ESTs	362.1114	-1.2534509
GF203	1240262	AA788613	Hs.44024	Hs.44024	ESTs	362.0121	-1.1352717
					Homo sapiens cDNA		
					FLJ10386 fis, clone		
					NT2RM2002142, weakly		
					similar to GASTRULATION		
GF200	195051	R91137	Hs.7420	Hs.236556	SPECIFIC PROTEIN G12	362.0019	-1.99099

## APPENDIX A

GF203	1456120	AA862435	Hs.29297	Hs.211569	G protein-coupled receptor kinase 5	GPRK5	361.9392	-1.3196545
GF200	143039	R71327	Hs.96656	Hs.77631	glycine cleavage system protein H (aminomethyl carrier)	GCSH	361.8446	1.15079998
GF201	141234	R66541	Hs.91663	Hs.251871	CTP synthase	CTPS	361.7438	
GF200	757961	AA436871	Hs.82240	Hs.82240	syntaxin 3A	STX3A	361.7173	1.00357407
GF203	399302	AA774524	Hs.8268	Hs.8268	ESTs		361.6813	-1.1863525
GF201	32094	R42697	Hs.22055	Hs.173871	Homo sapiens mRNA; cDNA DKFZp434N1272 (from clone DKFZp434N1272); partial cds		361.6447	
GF203	154483	R54672	Hs.26192	Hs.26192	ESTs		361.5899	-1.7660088
GF201	428006	AA001845	Hs.59969	Hs.167889	ESTs, Highly similar to KIAA0183 [H.sapiens]		361.3897	
GF200	132012	R24894	Hs.85457	Hs.132243	aminopeptidase puromycin sensitive	NPEPPS	361.274	-1.3914125
GF201	796323	AA461325	Hs.8110	Hs.8110	adducin 3 (gamma)	ADD3	361.2169	
GF200	469704	AA028034	Hs.27023	Hs.27023	vesicle transport-related protein	KIAA0917	361.0699	1.4427033
GF203	277656	N49403	Hs.25203	Hs.179507	KIAA0779 protein	KIAA0779	361.0313	-1.0768366
GF203	138693	R63497	Hs.122227	Hs.273369	Homo sapiens mRNA; cDNA DKFZp434M0420 (from clone DKFZp434M0420)		360.8278	1.50861807
GF200	754355	AA436152	Hs.27621	Hs.27621	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A	SEMA5A	360.7614	-1.1058633
GF200	66829	T64972	Hs.6403	Hs.169152	ESTs		360.6402	1.36525566
GF203	878600	AA775259	Hs.28207	Hs.239489	TIA1 cytotoxic granule- associated RNA-binding protein	TIA1	360.6122	1.13504305
GF200	48614	H14359	Hs.17743	Hs.151139	E74-like factor 4 (ets domain transcription factor)	ELF4	360.558	-1.1143361
GF200	179232	H50229	Hs.111534	Hs.184011	pyrophosphatase (inorganic)	PP	360.5289	1.52872328

FO2020" 86426860

## APPENDIX A

GF200	129177	R10970	Hs.14935	Hs.177894	ESTs		360.3475	-1.136932
GF200	359395	AA010503	Hs.60415	Hs.60415	N-ethylmaleimide-sensitive factor attachment protein, gamma	NAPG	360.2084	1.20808938
GF201	32517	R43271	Hs.9412	Hs.274319	Homo sapiens cDNA FLJ10509 fis, clone NT2RP2000617		360.1809	
GF203	151371	H03478	Hs.93678	Hs.93678	ESTs		360.1691	-1.4699941
GF203	364022	AA021586	Hs.62359	Hs.62359	ESTs		360.131	-1.3950943
GF201	47059	H11016	Hs.30991	Hs.30991	KIAA0957 protein	KIAA0957	360.1038	
GF201	347293	W80808	Hs.24222	Hs.24222	ESTs		360.0757	
GF203	1473304	AA916325	Hs.118605	Hs.78183	aldo-keto reductase family 1; member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	AKR1C3	359.9953	-1.0461537
GF201	41195	R56638	Hs.63773	Hs.184141	glutaryl-Coenzyme A dehydrogenase	GCDH	359.9884	
GF201	810951	AA459396	Hs.97996	Hs.97996	transcription termination factor, mitochondrial	MTERF	359.9714	
GF201	296618	N73976	Hs.36272	Hs.108345	ESTs, Weakly similar to fragile-X-related protein 1 isoform f [M.musculus]		359.8073	
GF200	210622	H64244	Hs.34458	Hs.34458	ESTs		359.7675	-1.3290964
GF200	85682	T62084	Hs.8342	Hs.171825	basic helix-loop-helix domain containing, class B, 2	BHLHB2	359.6427	1.06859595
GF201	122288	T98796	Hs.100731	Hs.78995	MADS box transcription enhancer factor 2, polypeptide C (myocyte enhancer factor 2C)	MEF2C	359.6269	
GF201	809453	AA443098	Hs.77891	Hs.171185	desmin	DES	359.5399	
GF201	428749	AA004652	Hs.18564	Hs.18564	ESTs		359.3444	
GF201	290724	N71782	Hs.90598	Hs.90598	MHC class I polypeptide-related sequence A	MICA	359.3041	
GF200	753587	AA478585	Hs.113894	Hs.167741	butyrophilin, subfamily 3, member A3	BTN3A3	359.2327	1.0933982

T02020" 86226860

## APPENDIX A

GF200	753587	AA478585	Hs.87497	Hs.167741	butyrophilin, subfamily 3, member A3	BTN3A3	359.2327	1.0933982
GF203	272711	N32301	Hs.102496	Hs.102496	ESTs		359.1534	1.1034002
GF200	666218	AA233809	Hs.73841	Hs.169300	transforming growth factor, beta 2	TGFB2	359.1267	1.07701397
GF200	128875	R10604	Hs.76253	Hs.76253	spinocerebellar ataxia 2 (olivopontocerebellar ataxia 2, autosomal dominant, ataxin 2)	SCA2	359.0069	-1.0219921
GF203	432492	AA699500	Hs.6968	Hs.6968	Homo sapiens cDNA FLJ10911 fis, clone OVARC1000148		358.8781	-1.6119755
GF201	343609	W69460	Hs.109989	Hs.8128	phosphatidylserine decarboxylase	PISD	358.8735	
GF200	234647	H77736	Hs.37527	Hs.167579	ESTs		358.8465	-2.1092253
GF200	25679	R38874	Hs.552	Hs.552	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4- dehydrogenase alpha 1)	SRD5A1	358.6911	1.08505703
GF201	245542	N53564	Hs.108159	Hs.108159	ESTs		358.4516	
GF201	293339	N64741	Hs.93005	Hs.93005	slug (chicken homolog), zinc finger protein	SLUG	358.4125	
GF201	487831	AA045083	Hs.103450	Hs.77719	gamma-glutamyl carboxylase	GGCX	358.2079	
GF200	810282	AA464067	Hs.6453	Hs.6453	inositol 1,3,4-triphosphate 5/6 kinase	ITPK1	358.177	-1.077541
GF200	230271	H94897	Hs.82837	Hs.82837	Human chromosome 3p21.1 gene sequence		358.0655	-1.3860917
GF200	210919	H69785	Hs.27047	Hs.27047	Homo sapiens cDNA FLJ20392 fis, clone KAI4653		358.0403	1.37190599
GF200	813707	AA453774	Hs.78874	Hs.183601	regulator of G-protein signalling 16	RGS16	358.0288	-1.3444854
GF203	283340	N45322	Hs.30409	Hs.169600	KIAA0826 protein	KIAA0826	357.6198	-1.2260993
GF203	291399	N72295	Hs.18004	Hs.204692	ESTs		357.3514	-1.6371822
GF203	461425	AA705225	Hs.108485	Hs.154156	myosin, light polypeptide 4, alkali; atrial, embryonic	MYL4	357.2719	-1.6055755

## APPENDIX A

GF200	212098	H68932	Hs.38758	Hs.155807	ESTs		357.2206	1.09374562
GF200	813280	AA456400	Hs.75527	Hs.75527	adenylosuccinate lyase	ADSL	357.1912	1.50044905
GF203	221151	H91673	Hs.114258	Hs.269009	ESTs		356.9845	1.36384701
GF202	589512	AA157112	Hs.63216	Hs.178715	ESTs		356.9365	-1.8216603
					ESTs, Weakly similar to fatty acid amide hydrolase			
GF200	67033	T70411	Hs.13181	Hs.13181	[H.sapiens]		356.8521	1.26177473
GF203	190286	H29873	Hs.9171	Hs.175967	ESTs		356.8442	1.19462412
					ESTs, Weakly similar to KIAA0908 protein [H.sapiens]			
GF203	435447	AA701491	Hs.26910	Hs.26910	fragile X mental retardation, autosomal homolog 1	FXR1	356.7304	-1.3374555
GF200	289551	N79708	Hs.82712	Hs.82712	ESTs		356.7003	1.11068079
GF202	796709	AA460701	Hs.58571	Hs.193200	ESTs, Weakly similar to /prediction		356.6399	-2.6710653
GF203	824376	AA489696	Hs.44816	Hs.240763	ESTs		356.6247	-1.3441649
GF201	128228	R11505	Hs.20623	Hs.268912	ESTs		356.6211	
GF203	768612	AA425131	Hs.98480	Hs.98480	ESTs		356.4055	-1.6585128
GF202	502988	AA148578	Hs.110956	Hs.110956	zinc finger protein 20 (KOX 13)	ZNF20	356.2479	-1.3866471
					Homo sapiens cDNA			
GF201	284432	N52315	Hs.47461	Hs.132972	FLJ10092 fis, clone		356.2099	
GF203	280934	N50834	Hs.3828	Hs.3828	HEMBA1002349			
					mevalonate (diphospho) decarboxylase	MVD	356.1969	1.04945597
					Homo sapiens mRNA; cDNA			
GF201	781442	AA428603	Hs.4746	Hs.4746	DKFZp434B225 (from clone)			
GF203	235923	H52258	Hs.7274	Hs.7274	DKFZp434B225)		356.0594	
					DKFZP434P1750 protein	DKFZP434P1750	355.8988	-1.5344611
					protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific			
GF201	854760	AA630507	Hs.62039	Hs.183037	extinguisher 1)	PRKAR1A	355.885	
GF203	264575	N20322	Hs.21342	Hs.21342	ESTs		355.6821	-1.1048314

FO2020-86226860

## APPENDIX A

GF200	219976	H81821	RG.15	Hs.146355	v-abl Abelson murine leukemia viral oncogene homolog 1	ABL1	355.6542	1.09976377
GF201	301867	N92478	Hs.71243	Hs.71243	ESTs, Weakly similar to zinc finger protein [H.sapiens]		355.2241	
GF203	825843	AA504778	Hs.6232	Hs.6232	KIAA0764 gene product	KIAA0764	355.0771	-1.2507181
GF201	50768	H18080	Hs.19066	Hs.19066	ESTs		355.0589	1.53440915
GF203	272514	N33857	Hs.34274	Hs.34274	ESTs		355.0243	1.33272386
GF200	244267	N51056	Hs.38891	Hs.38891	ESTs		354.8995	
GF201	810486	AA457150	Hs.92765	Hs.47413	ESTs		354.8542	
					ESTs, Weakly similar to !!!! ALU SUBFAMILY J			
GF201	809489	AA443125	Hs.15907	Hs.183253	WARNING ENTRY !!!! [H.sapiens]		354.5958	
GF201	23012	R43576	Hs.112176	Hs.158205	basic leucine zipper nuclear factor 1 (JEM-1)	BLZF1	354.5765	
GF200	133331	R27082	Hs.23825	Hs.261734	ESTs, Moderately similar to !!!! ALU SUBFAMILY SQ		354.3391	-1.8385339
GF200	292236	N68173	Hs.21921	Hs.21921	WARNING ENTRY !!!! [H.sapiens]		354.3354	-2.0329666
GF200	950445	AA599092	Hs.91773	Hs.91773	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	PPP2CA	354.0586	1.04337527
GF200	950445	AA599092	Hs.75624	Hs.91773	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform	PPP2CA	354.0586	1.04337527
GF203	291345	N72265	Hs.5535	Hs.144477	casein kinase 1, alpha 1	CSNK1A1	354.006	-2.2785369
GF203	283191	N51362	Hs.70337	Hs.70337	immunoglobulin superfamily, member 4	IGSF4	353.9303	-1.6027449
GF201	366848	AA029451	Hs.9656	Hs.173638	ESTs		353.72	
GF202	627401	AA190825	Hs.17839	Hs.17839	TNF-induced protein	GG2-1	353.59	-1.8323177
					fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)	FUT4	353.444	-1.2563293
GF200	133213	R28447	Hs.2173	Hs.2173	ESTs		353.3651	
GF201	502491	AA156749	Hs.107813	Hs.194589				

FO2020-8666860

## APPENDIX A

GF200	841093	AA486790	Hs.14541	cullin 1	CUL1	353.3112	-2.0215879
GF203	383706	AA704332	Hs.125622	ESTs		353.1996	-1.9419828
GF202	743588	AA609463	Hs.75874	pregnancy-associated plasma protein A	PAPPA	353.149	-1.6231964
GF203	31261	R42864	Hs.23207	YDD19 protein	YDD19	353.125	-2.3621794
GF200	296901	W04272	Hs.49840	ESTs		353.1068	1.18662603
GF201	490449	AA126482	Hs.70932	ESTs		353.0302	
GF200	199180	R95740	Hs.107966	paraoxonase 3	PON3	353.0015	1.4793266
GF203	430558	AA677716	Hs.113405	diacylglycerol kinase, alpha (80kD)	DGKA	352.9579	-2.8753282
GF200	898312	AA598826	Hs.8375	TNF receptor-associated factor 4	TRAF4	352.7208	-1.1010629
GF200	244646	N54911	Hs.47884	ESTs		352.6659	-2.2212484
GF200	343072	W67174	Hs.74487	Human beta-1D integrin mRNA, cytoplasmic domain, partial cds		352.6087	-1.1945268
GF203	151793	H03049	Hs.30096	ESTs		352.5938	-1.4855109
GF203	701272	AA286814	Hs.99680	ESTs		352.568	-2.4536549
GF201	427895	AA001360	Hs.16177	ESTs		352.5067	
GF200	131653	R23752	Hs.9964	ribosomal protein, mitochondrial, S12	RPMS12	352.4711	-1.6671309
GF201	322175	W37778	Hs.24440	Homo sapiens cDNA FLJ20763 fis, clone COL09911		352.4619	
GF201	132857	R26417	Hs.24064	Homo sapiens mRNA; cDNA DKFZp586N1323 (from clone DKFZp586N1323)		352.4226	
GF201	271662	N35067	Hs.43686	cell division cycle 2-like 5 (cholinesterase-related cell division controller)	CDC2L5	352.3279	-1.1770103
GF203	788445	AA450041	Hs.106919	ESTs		352.3088	
GF200	418126	W90506	Hs.59271	U2(RNU2) small nuclear RNA auxiliary factor 1 (non-standard symbol)	U2AF1	352.1429	-1.0910968

## APPENDIX A

GF200	418126	W90506	Hs.118378	Hs.59271	U2(RNU2) small nuclear RNA auxiliary factor 1 (non- standard symbol)	U2AF1	352.1429	-1.0910968
GF200	211206	H67988	Hs.124	Hs.124	gene predicted from cDNA with a complete coding sequence	KIAA0110	352.068	-1.2915197
GF201	810403	AA464202	Hs.4253	Hs.4253	G protein-coupled receptor 44 ESTs	GPR44	352.0502	-1.0905482
GF203	434864	AA701232	Hs.29904	Hs.29904			352.0336	
GF201	357363	W93715	Hs.20423	Hs.20423	NOT4 (negative regulator of transcription 4, yeast) homolog ESTs	NOT4	351.9813	-2.1232472
GF203	435817	AA701527	Hs.121069	Hs.183789			351.8944	
GF203	291103	N72138	Hs.4052	Hs.136309	Chromosome 1 specific transcript KIAA0491		351.79	-2.0468757
GF203	810550	AA464557	Hs.78466	Hs.78466	proteasome (prosome, macropain) 26S subunit, non- ATPase, 8	PSMD8	351.6326	-2.2935983
GF201	366591	AA026692	Hs.98386	Hs.12598	T-cell lymphoma invasion and metastasis 2	TIAM2	351.6252	1.05716435
GF200	839094	AA487614	Hs.46275	Hs.46275	crystallin, beta A1	CRYBA1	351.51	
GF201	810510	AA464531	Hs.14317	Hs.14317	ESTs		351.4281	
GF200	758037	AA429769	Hs.306	Hs.306	human immunodeficiency virus type I enhancer-binding protein 1	HIVEP1	351.3251	1.09977757
GF201	418350	W92772	Hs.16675	Hs.27354	ESTs		351.2681	
GF201	811604	AA454610	Hs.96538	Hs.249194	myeloid/lymphoid or mixed- lineage leukemia (trithorax (Drosophila) homolog); translocated to, 6	MLLT6	351.1859	1.63665179 1.51393231
GF203	288840	N62593	Hs.21276	Hs.21276	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	COL4A3BP	351.1123	
GF200	814306	AA459318	Hs.2384	Hs.2384	tumor protein D52	TPD52	351.1105	
GF201	289023	N62737	Hs.30210	Hs.178121	KIAA0626 gene product	KIAA0626	351.075	
GF201	428804	AA005236	Hs.60162	Hs.60162	ESTs		351.0561	



## APPENDIX A

GF200	202919	H54093	Hs.102824	Hs.74626	adaptor-related protein complex 2, beta 1 subunit	ADTB2	350.9999	1.16097579
GF200	196189	R92281	Hs.83834	Hs.83834	cytochrome b-5	CYB5	350.8504	-1.2771103
GF201	166245	R88267	Hs.105	Hs.105	glutamate receptor, ionotropic, N-methyl D-aspartate 1	GRIN1	350.8082	
GF203	413080	AA707789	Hs.130753	Hs.220567	ESTs		350.6701	1.26969255
GF203	752560	AA411009	Hs.59974	Hs.59974	ESTs		350.5754	-1.607056
GF200	703739	AA278749	Hs.89563	Hs.89563	nuclear cap binding protein 1, 80kD	NCBP1	350.5559	-1.1104667
GF200	66694	T67279	Hs.6127	Hs.6127	ESTs, Weakly similar to prostate-specific			
GF200	469412	AA026917	Hs.75653	Hs.75653	transglutaminase [H.sapiens]		350.5179	1.00953755
					fumarate hydratase	FH	350.4966	-1.3239923
					ATP-binding cassette, sub-family C (CFTR/MRP), member 3	ABCC3	350.3695	
GF201	781139	AA429895	Hs.90786	Hs.90786	ESTs		350.3438	-2.7240429
GF203	38808	R49243	Hs.23244	Hs.23244	nucleoporin 98kD	NUP98	350.2807	
GF201	491544	AA148536	Hs.112255	Hs.112255	Homo sapiens cDNA FLJ20201 fis, clone COLF1210			
GF203	281597	N51612	Hs.27267	Hs.27267	ESTs		350.2323	-1.6225507
GF203	824658	AA491292	Hs.32793	Hs.32793	ESTs		350.2189	1.23822814
GF203	701547	AA287009	Hs.96612	Hs.180291	ESTs		350.1856	1.04435983
GF200	197676	R94511	Hs.7972	Hs.7972	KIAA0871 protein	KIAA0871	350.1762	1.81067024
GF200	727526	AA402431	Hs.75573	Hs.75573	centromere protein E (312kD)	CENPE	350.1186	-1.0166619
GF201	624443	AA181333	Hs.117	Hs.154387	KIAA0103 gene product	KIAA0103	350.1151	
GF203	770766	AA427563	Hs.3804	Hs.3804	DKFZP564C1940 protein	DKFZP564C1940	349.6703	-1.4431881
GF200	594540	AA169807	Hs.54503	Hs.159526	patched (Drosophila) homolog	PTCH	349.6442	-1.2973792
GF203	450486	AA682876	Hs.119578	Hs.191910	ESTs		349.616	-2.2312084
					mesenchyme homeo box 2 (growth arrest-specific homeo box)			
GF203	161172	H25223	Hs.77858	Hs.77858	ESTs		349.5764	-1.4773174
GF203	281615	N48003	Hs.33718	Hs.33718	ESTs	MEOX2	349.5663	-2.2292012

## APPENDIX A

GF200	773188	AA428473	Hs.37288	Hs.37288	nuclear receptor subfamily 1, group D, member 2	NR1D2	349.5351	-1.2139213
GF201	46907	H10204	Hs.28302	Hs.244639	ESTs		349.3332	
GF200	134368	R31946	Hs.24486	Hs.172932	ESTs		349.3265	1.0783709
GF203	827196	AA521307	Hs.104454	Hs.186651	ESTs		349.0764	-1.2533785
GF201	415459	W80591	Hs.70608	Hs.278429	hepatocellular carcinoma- associated antigen 59	LOC51759	349.0082	
GF202	796262	AA460825	Hs.17649	Hs.17649	ESTs		348.7415	-2.1147705
GF200	198339	R94212	Hs.35299	Hs.35299	ESTs		348.7094	1.51350814
GF203	726874	AA398410	Hs.97624	Hs.97624	heat shock transcription factor 2 binding protein	HSF2BP	348.5543	1.00222554
GF200	358344	W95950	Hs.78893	Hs.78893	KIAA0244 protein	KIAA0244	348.3742	1.07169358
GF200	727792	AA393408	Hs.41717	Hs.41717	phosphodiesterase 1A, calmodulin-dependent	PDE1A	348.288	-1.0654464
GF201	771328	AA476223	Hs.100307	Hs.192946	ESTs, Moderately similar to located at OATL1 [H.sapiens]		348.2867	
GF201	298268	N70463	Hs.77054	Hs.77054	B-cell translocation gene 1, anti-proliferative	BTG1	348.2738	
GF200	202722	H53556	Hs.36790	Hs.36790	ESTs		348.1178	1.16915038
GF203	434845	AA703147	Hs.103411	Hs.103411	ESTs		348.1123	-2.0415849
GF200	23772	R38194	Hs.78788	Hs.78788	leucine-zipper-like transcriptional regulator, 1	LZTR1	347.9222	-1.8268218
GF203	399101	AA733027	Hs.120911	Hs.120911	ESTs		347.8497	-1.1813681
GF201	343298	W68162	Hs.54578	Hs.54578	ESTs		347.8291	
GF200	810010	AA455210	Hs.2459	Hs.170040	platelet-derived growth factor receptor-like	PDGFR	347.7497	1.02795478
GF200	341805	W60845	Hs.22936	Hs.274368	Homo sapiens mRNA; cDNA DKFZp58611524 (from clone DKFZp58611524)		347.6169	1.0236518
GF203	281043	N50903	Hs.94002	Hs.94002	ESTs		347.6008	-1.6021402
GF200	123425	T99650	Hs.15282	Hs.15282	ESTs, Moderately similar to RNA helicase HDB/DICE1 [H.sapiens]		347.4683	-2.3238625
GF201	86160	T72336	Hs.80667	Hs.80667	RALBP1 associated Eps domain containing 2	REPS2	347.4184	

FO2020-86226860

## APPENDIX A

GF201	47671	H11467	Hs.91389	Hs.91389	ESTs	347.2783	
GF201	742635	AA400262	Hs.111909	Hs.190093	ESTs	347.2002	
GF200	1046522	AA621150	RG.2	Hs.79019	neuronal apoptosis inhibitory protein	347.0905	-1.1588728
GF203	280950	N50843	Hs.24952	Hs.117816	sorcin	346.7078	1.30481251
GF200	841695	AA488718	Hs.22174	Hs.22174	Novel human gene mapping to chromosome 13	346.5987	1.44016689
GF200	138189	R53910	Hs.26077	Hs.26077	Wolfram syndrome 1 (wolframin)	346.386	-1.0128451
GF201	33999	R44538	Hs.23743	Hs.25615	YDD19 protein	346.3858	
GF203	140018	R63971	Hs.117548	Hs.61429	ESTs	346.3745	-1.3071632
GF200	77133	T50633	Hs.81972	Hs.81972	SHC (Src homology 2 domain-containing) transforming protein 1	346.3742	-1.1249872
GF201	295843	N6957	Hs.82568	Hs.82568	cytochrome P450, subfamily XXVIIA (steroid 27-hydroxylase, cerebrotendinous xanthomatosis), polypeptide 1	346.3562	
GF201	488434	AA047435	Hs.77927	Hs.50421	KIAA0203 gene product	346.2308	
GF203	796652	AA460543	Hs.88977	Hs.88977	Human DNA sequence from clone 511E16 on chromosome 6p24.3-25.1. Contains the last coding exon of the gene for P18 component of aminoacyl-tRNA synthetase complex, part of an unknown gene downstream of a putative CpG island, and an STS with a CA repeat poly	346.106	-1.5838489
GF201	229856	H67900	Hs.108292	Hs.125031	choline/ethanolaminephosphotransferase	346.0741	
GF201	447365	AA702663	Hs.113199	Hs.159629	myosin IXB	346.0205	
					CEPT1		
					MYO9B		

FO2020-86226860

## APPENDIX A

GF200	813410	AA458646	Hs.102589	Hs.150675	polymerase (RNA) II (DNA directed) polypeptide K (7.0kD)	POLR2K	345.933	-1.6971717
GF200	813410	AA458646	Hs.10565	Hs.150675	polymerase (RNA) II (DNA directed) polypeptide K (7.0kD)	POLR2K	345.933	-1.6971717
GF201	501854	AA127965	Hs.62692	Hs.184908	integrin, beta 8	ITGB8	345.7463	
GF202	261852	H99211	Hs.40334	Hs.40334	ESTs		345.7366	-1.6281432
GF201	307687	N92924	Hs.54705	Hs.274407	protease, serine, 16 (thymus)	PRSS16	345.6706	
GF201	488645	AA045822	Hs.91106	Hs.334	Oncogene TIM	TIM	345.5525	
GF203	428063	AA001665	Hs.41434	Hs.41434	ESTs		345.4709	-1.404455
GF200	280752	N50554	Hs.79362	Hs.79362	retinoblastoma-like 2 (p130)	RBL2	345.4207	1.31593425
GF203	824838	AA488857	Hs.17398	Hs.154336	Homo sapiens clone 24583 mRNA sequence		345.4119	-1.3375884
GF203	28444	R40567	Hs.21586	Hs.21586	cofactor required for Sp1 transcriptional activation, subunit 2 (150kD)	CRSP2	345.4002	-1.3681221
GF201	756627	AA481480	Hs.79305	Hs.79305	KIAA0255 gene product	KIAA0255	345.1558	
GF201	291348	N72259	Hs.62420	Hs.201673	cornichon-like	CNIL	345.0222	
GF200	69672	T53626	Hs.76206	Hs.76206	cadherin 5, VE-cadherin (vascular epithelium)	CDH5	344.9203	-1.1760672
GF202	626548	AA187979	Hs.123862	Hs.192032	ESTs		344.9074	-1.7746681
GF203	768445	AA495938	Hs.9388	Hs.236828	KIAA0419 gene product	KIAA0419	344.8744	-1.3991839
GF200	197300	R86733	Hs.33391	Hs.265891	Homo sapiens cDNA		344.7473	-1.7879535
GF203	812989	AA464623	Hs.6126	Hs.6126	FLJ10641 fis, clone		344.5765	-2.1220373
GF201	810353	AA464169	Hs.9372	Hs.226372	NT2RP2005748		344.4695	
GF200	809394	AA456585	Hs.1536	Hs.235069	ESTs	DKFZP434J154		
GF200	809394	AA456585	Hs.1536	Hs.235069	RecQ protein-like (DNA helicase Q1-like)	RECQL	344.4522	-1.0911353
GF200	898138	AA598492	Hs.811	Hs.811	ubiquitin-conjugating enzyme		344.2808	1.00854115
GF203	823688	AA489636	Hs.25253	Hs.25253	E2B (RAD6 homolog)	UBE2B	344.263	1.06160483
GF203	297940	N70078	Hs.8021	Hs.8021	ESTs		344.1937	-2.9438682
GF200	827120	AA521228	Hs.22938	Hs.236642	KIAA1058 protein	KIAA1058		
					3-hydroxyisobutaryl-Coenzyme A hydrolase	HIBCH	344.0403	1.20909073

## APPENDIX A

GF202	625924	AA186895	Hs.9525	Hs.69559	KIAA1096 protein	KIAA1096	343.9883	-1.8338327
GF203	452016	AA707199	Hs.92030	Hs.92030	ESTs		343.9673	-2.2956291
GF200	704459	AA279883	Hs.82401	Hs.82401	CD69 antigen (p60, early T-cell activation antigen)	CD69	343.7417	1.07686748
GF202	950361	AA600186	Hs.25866	Hs.25866	ESTs		343.6837	1.2529962
GF201	769571	AA425823	Hs.166	Hs.166	sterol regulatory element		343.6422	
GF201	435561	AA701929	Hs.106880	Hs.106880	binding transcription factor 1 bystin-like	SREBF1 BYSL	343.5176	
GF200	841691	AA487589	Hs.78935	Hs.78935	methionine aminopeptidase; eIF-2-associated p67	MNPEP	343.3821	1.0363391
GF200	841691	AA487589	Hs.16839	Hs.78935	methionine aminopeptidase; eIF-2-associated p67	MNPEP	343.3821	1.0363391
GF200	767828	AA418773	Hs.83951	Hs.83951	Hermansky-Pudlak syndrome	HPS	343.1852	1.07995386
GF201	119133	T94087	Hs.5956	Hs.267445	Homo sapiens mRNA; cDNA DKFZp434B231 (from clone DKFZp434B231)		343.0251	
GF201	148225	H13688	Hs.55823	Hs.55823	SMC (mouse) homolog, X chromosome	SMCX	343.0232	
GF203	399444	AA732917	Hs.33268	Hs.33268	Homo sapiens cDNA FLJ10264 fis, clone HEMBB1001011, weakly similar to ZINC FINGER			
GF200	26314	R20770	Hs.8813	Hs.8813	PROTEIN 84		342.9769	-1.8546049
GF200	795738	AA460286	Hs.79126	Hs.79126	syntaxin binding protein 3	STXBP3	342.8655	-1.5020899
GF200	795738	AA460286	Hs.79126	Hs.79126	guanine nucleotide binding protein 10	GNG10	342.8392	-1.0074485
GF200	113298	T83828	Hs.119198	Hs.169078	Human clone A9A2BRB6 (CAC)n/(GTG)n repeat-containing mRNA		342.7795	1.38630553
GF203	786234	AA478442	Hs.25990	Hs.110347	REV1 protein	REV1	342.6461	-1.0506692
GF203	361551	AA017167	Hs.32713	Hs.32713	ESTs		342.6273	1.39044456
GF202	261219	H98233	Hs.108812	Hs.108812	ESTs, Weakly similar to B0041.5 [C.elegans]		342.4336	1.12375702
GF200	469954	AA030029	Hs.60762	Hs.169449	protein kinase C, alpha	PRKCA	342.3966	1.14729674
GF203	290331	N47091	Hs.46670	Hs.46670	ESTs		342.274	-1.0850297

702020" 86226860

## APPENDIX A

GF201	418262	W90740	Hs.58728	Hs.119571	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)	COL3A1	342.2689
GF201	795500	AA454209	Hs.97719	Hs.192233	ESTs, Highly similar to KIAA0568 protein [H.sapiens]		342.1221
GF200	842980	AA488336	Hs.2785	Hs.115242	developmentally regulated GTP-binding protein 1 protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha)	DRG1	341.9789
GF200	795241	AA453998	Hs.681	Hs.272458	damage-specific DNA binding protein 2 (48kD)	PPP3CA	341.9152
GF200	753447	AA406449	Hs.77602	Hs.77602	ESTs	DDB2	341.8857
GF203	307019	N93663	Hs.118240	Hs.118240	Homo sapiens clone 23596		341.8287
GF200	244243	N51048	Hs.47182	Hs.3850	mRNA sequence		341.731
GF203	767419	AA417927	Hs.63970	Hs.63970	ESTs		341.7307
GF203	814744	AA454925	Hs.99644	Hs.269372	ESTs		341.661
GF200	243549	N49526	Hs.1334	Hs.1334	v-myb avian myeloblastosis viral oncogene homolog	MYB	341.6329
GF203	277820	N64175	Hs.29427	Hs.29427	ESTs		341.3865
GF203	486356	AA043743	Hs.29147	Hs.29147	Homo sapiens cDNA FLJ11015 fis, clone PLACE1003302, highly similar to ZINC FINGER PROTEIN 83		341.2434
GF200	262996	H99736	Hs.22670	Hs.22670	chromodomain helicase DNA binding protein 1 ESTs, Moderately similar to Na <sup>+</sup> /K <sup>+</sup> -exchanging ATPase	CHD1	341.1511
GF203	451898	AA706955	Hs.120802	Hs.120802	[H.sapiens]		341.1486
GF200	113394	T78454	Hs.14313	Hs.259927	ESTs		340.881
GF200	136180	R33303	Hs.107057	Hs.107057	ESTs		340.8016
GF200	214441	H73590	Hs.75758	Hs.179543	immunoglobulin heavy constant mu	IGHM	340.6649
							-1.6573015
							-1.6077526
							-1.0279248
							-2.0898288
							-1.2228037
							-1.0522041
							-1.2141156
							-1.5108449
							-1.1256184
							-1.7802087
							-1.2776882
							-1.9076694
							1.94337341
							-1.0370863

APPENDIX A

GF200	186132	H39560	Hs.89546	Hs.89546	selectin E (endothelial adhesion molecule 1) inhibitor of DNA binding 4, dominant negative helix-loop-helix protein KIAA0982 protein	SELE  ID4 KIAA0982	340.6638  340.6613 340.5847	-1.8104838  -1.0801083 -1.6467011
GF201	795871	AA460149	Hs.35225	Hs.35225	Homo sapiens mRNA; cDNA DKFZp434G2222 (from clone DKFZp434G2222); partial cds		340.2899	
GF203	272507	N35825	Hs.21043	Hs.14732	malic enzyme 1, NADP(+)-dependent, cytosolic ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase)-like 1	ME1	340.2675	-1.3703726
GF200	753987	AA478959	Hs.77225	Hs.77225	Homo sapiens mRNA full length insert cDNA clone EUROMAGE 362430 integrin, beta 4 ESTs, Moderately similar to !!! ALU SUBFAMILY J WARNING ENTRY !!!!	ADPRTL1	340.2354	1.3633277
GF203	362251	AA001199	Hs.32769	Hs.32769			340.1688	-2.0398524
GF200	811096	AA485668	Hs.85266	Hs.85266		ITGB4	340.0457	-1.7393222
GF203	306800	N91897	Hs.50652	Hs.50652	[H.sapiens]		339.9431	-1.1669291
GF200	210688	H64280	Hs.20196	Hs.20196	adenylate cyclase 9	ADCY9	339.7934	1.47598641
GF203	272155	N31484	Hs.5003	Hs.5003	KIAA0456 protein	KIAA0456	339.6698	-1.102825
GF200	108658	T72683	Hs.13733	Hs.4084	KIAA1025 protein amphiphysin (Stiff-Mann syndrome with breast cancer 128kD autoantigen) ESTs	KIAA1025	339.6046	1.3119598
GF200	44164	H06541	Hs.79045	Hs.173034		AMPH	339.5587	-1.2624046
GF201	491298	AA114901	Hs.62774	Hs.62774			339.5149	
GF200	243358	N49419	Hs.46700	Hs.46700	inhibitor of growth family, member 1	ING1	339.3051	-1.6334806
GF200	809916	AA464421	Hs.25665	Hs.184669	zinc finger protein 144 (Mel-18)	ZNF144	339.299	-1.4478637

## APPENDIX A

GF200	842820	AA486221	Hs.6867	Hs.169900	poly(A)-binding protein, cytoplasmic 4 (inducible form) ESTs	PABPC4	339.2793	1.24315062
GF202	76671	T51004	Hs.111585	Hs.167847			339.2151	-2.4165821
GF203	451055	AA704323	Hs.119054	Hs.8117	Homo sapiens mRNA for KIAA1225 protein, partial cds ESTs	DOCK1	339.1866	-1.8936758
GF201	282564	N52073	Hs.47047	Hs.47047			339.0232	-1.1518888
GF200	327150	W25727	Hs.82295	Hs.82295	dedicator of cyto-kinesis 1 mercaptopyruvate	MPST	338.9022	1.18119723
GF200	796000	AA461065	Hs.74097	Hs.74097	sulfurtransferase	MAP3K8	338.8983	-1.0374232
GF200	340630	W56189	Hs.248	Hs.248	mitogen-activated protein kinase kinase kinase 8 ESTs		338.8846	-1.2420885
GF203	684842	AA251733	Hs.96487	Hs.96487	Homo sapiens cDNA FLJ10645 fis, clone		338.8383	
GF200	296883	W01084	Hs.18460	Hs.179680	NT2RP2005767, moderately similar to G.gallus PB1 gene ESTs		338.7209	1.061108
GF203	265626	N22824	Hs.124230	Hs.124230			338.5662	-1.0188013
GF200	302591	W38571	Hs.109918	Hs.109918	ras homolog gene family, member H	ARHH	338.3337	1.043049
GF201	265832	N20968	Hs.42599	Hs.42599	ESTs		338.3311	
GF200	127197	R08270	Hs.20136	Hs.20136	chromosome X open reading frame 6	CXORF6	338.2113	-1.609024
GF200	815503	AA456869	Hs.78398	Hs.78398	KIAA0071 protein	KIAA0071	338.0354	-1.297307
GF200	365641	AA025937	Hs.82741	Hs.82741	primase, polypeptide 1 (49kD)	PRIM1	337.932	-1.0653558
GF201	502161	AA126860	Hs.61828	Hs.61828	amyloid beta precursor protein- binding protein 1, 59kD mitogen inducible 2 ESTs	APPBP1	337.9112	1.00115393
GF200	823756	AA490238	Hs.75260	Hs.75260		MIG2	337.758	-1.0056151
GF203	280478	N51589	Hs.94012	Hs.94012			337.6602	
GF200	469685	AA027856	Hs.111462	Hs.7910	Ring1 and YY1 binding protein ESTs	RYBP	337.6581	-1.3301415
GF203	814340	AA459114	Hs.99745	Hs.99745			337.6275	-1.141504
GF200	509484	AA056390	Hs.106061	Hs.106061	RD RNA-binding protein	RDBP	337.5755	1.17578187
GF200	843426	AA489498	Hs.103102	Hs.171501	ubiquitin specific protease 11	USP11	337.5695	1.30319311



T02020" 86226860

## APPENDIX A

GF200	843426	AA489498	Hs.7832	Hs.171501	ubiquitin specific protease 11	USP11	337.5695	1.30319311
GF200	80772	T63031	Hs.76498	Hs.120980	nuclear receptor co-repressor 2	NCOR2	337.5099	-1.5494977
GF200	139680	R63996	Hs.106200	Hs.106200	ESTs		337.4732	-1.1408715
GF200	824031	AA490946	Hs.94	Hs.94	heat shock protein, DNAJ-like 2	HSJ2	337.4652	-1.600209
GF203	824856	AA488871	Hs.99700	Hs.178398	ESTs		337.4445	-2.6127292
GF201	282147	N51889	Hs.44671	Hs.171939	ESTs		337.4202	
GF200	381866	AA059378	Hs.92858	Hs.92858	guanylate cyclase activator 1A (retina)	GUCA1A	337.1717	-1.4899403
GF201	72426	T51592	Hs.9319	Hs.142779	ESTs		337.1381	
GF203	646753	AA205598	Hs.86366	Hs.86366	ESTs		337.0874	-1.4031337
GF203	270217	N33530	Hs.109085	Hs.176674	ESTs		336.7318	-2.5197438
GF203	432021	AA678272	Hs.37655	Hs.48827	Homo sapiens mRNA; cDNA DKFZp761D0223 (from clone DKFZp761D0223); partial cds		336.6356	1.27491512
GF201	359933	AA035620	Hs.110382	Hs.273385	guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	GNAS1	336.4449	
GF200	143759	R76505	Hs.20157	Hs.20157	Homo sapiens cDNA FLJ20848 fis, clone ADKA01732		336.4439	1.32664067
GF203	431280	AA682624	Hs.54277	Hs.54277	ESTs		336.3889	-1.0547939
GF200	173309	H21107	Hs.80338	Hs.80338	KIAA0164 gene product	KIAA0164	336.2057	-1.530651
GF200	245774	N76878	Hs.93675	Hs.93675	decidual protein induced by progesterone	DEPP	336.1144	-1.0737625
GF200	132911	R26434	Hs.21537	Hs.21537	protein phosphatase 1, catalytic subunit, beta isoform	PPP1CB	336.0306	1.02543941
GF203	435926	AA701941	Hs.118361	Hs.187555	ESTs		335.9888	-1.7395136
GF201	41698	R59221	Hs.78801	Hs.90061	progesterone binding protein	HPR6.6	335.9727	
GF203	37980	R61372	Hs.21824	Hs.25615	YDD19 protein	YDD19	335.9428	-1.8631666
GF203	824332	AA489664	Hs.90593	Hs.213289	low density lipoprotein receptor (familial hypercholesterolemia)	LDLR	335.931	-1.6301645

T02020" 86225850

## APPENDIX A

GF200	244767	N54344	Hs.1192	Hs.1192	KIAA0074 protein Homo sapiens mRNA; cDNA DKFZp434M229 (from clone DKFZp434M229) Homo sapiens HDCMD11P mRNA, partial cds wingless-type MMTV integration site family member 2 ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.sapiens] ESTs Homo sapiens mRNA; cDNA DKFZp564O222 (from clone DKFZp564O222) ESTs, Weakly similar to LIPOAMIDE ACYLTRANSFERASE COMPONENT PRECURSOR OF BRANCHED-CHAIN ALPHA-KETO ACID DEHYDROGENASE COMPLEX [H.sapiens] ESTs hypothetical protein vascular endothelial growth factor glycogenin 2 albumin ESTs ESTs	KIAA0074	335.919	-2.2448084
GF203	767690	AA417950	Hs.31422	Hs.31422			335.8695	-2.3423807
GF200	246041	N52373	Hs.10724	Hs.10724			335.8608	1.40398148
GF200	122762	T99653	Hs.89791	Hs.89791			335.837	-1.9513612
GF200	292392	N68390	Hs.27542	Hs.27542			335.8199	-1.2603041
GF203	272295	N35614	Hs.114388	Hs.269057			335.581	1.64369559
GF201	67067	T70352	Hs.94795	Hs.94795			335.4708	
GF203	449042	AA777399	Hs.36269	Hs.36269			335.4426	-1.6377473
GF201	271076	N29918	Hs.39982	Hs.39982			335.1865	
GF203	824943	AA489045	Hs.76691	Hs.275425			335.0216	1.26858706
GF200	34778	R19956	Hs.73793	Hs.73793			334.9686	-1.4159302
GF202	346997	W79445	Hs.58569	Hs.58589			334.9124	-1.2672962
GF201	502527	AA156873	Hs.15970	Hs.75442			334.7766	
GF203	812299	AA455099	Hs.61272	Hs.61272			334.6847	-1.1740945
GF200	234617	H77727	Hs.24908	Hs.24908			334.6642	-1.5446427

FO2020-86226860

## APPENDIX A

GF200	741841	AA402879	Hs.27424	Hs.27424	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (S.cerevisiae CHL1-like helicase)	DDX11	334.5027	1.56320192
GF200	741841	AA402879	Hs.117894	Hs.27424	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (S.cerevisiae CHL1-like helicase)	DDX11	334.5027	1.56320192
GF200	254625	N22435	Hs.20060	Hs.20060	KIAA0229 protein	KIAA0229	334.4089	1.20842806
GF200	22918	R45255	Hs.74407	Hs.74407	nucleolar protein p40	P40	334.0208	-1.0449688
GF203	433538	AA700644	Hs.91147	Hs.91147	ESTs		333.9528	-1.9760456
GF200	50043	H17696	Hs.69547	Hs.69547	myelin basic protein	MBP	333.8168	1.06903752
					Homo sapiens cDNA			
					FLJ20428 fis, clone			
					KAT03458, highly similar to Z184_HUMAN ZINC FINGER			
GF203	486401	AA043772	Hs.35820	Hs.35820	PROTEIN 184		333.6586	-1.9774935
GF203	825372	AA504507	Hs.6586	Hs.198281	pyruvate kinase, muscle small nuclear	PKM2	333.6576	-1.5316159
					ribonucleoprotein D1 polypeptide (16kD)	SNRPD1		
GF200	47542	H16454	Hs.86948	Hs.86948	ESTs		333.6535	-1.3635126
GF200	195513	R92176	Hs.34494	Hs.34494	ESTs		333.495	1.25848808
GF200	203910	H56731	Hs.37244	Hs.132956	ESTs		333.4938	1.36287747
					Human clone 23695 mRNA sequence			
GF200	33182	R18935	Hs.90798	Hs.90798	KIAA1014 protein	KIAA1014	333.4431	-1.0774369
GF201	340949	W57818	Hs.77369	Hs.6834	ESTs		333.3627	
GF203	431988	AA678242	Hs.118870	Hs.176376	TATA element modulatory factor 1		333.3349	-1.0877317
GF200	684940	AA252318	Hs.101580	Hs.267632	TATA element modulatory factor 1	TMF1	333.2306	1.00072871
GF200	684940	AA252318	Hs.74985	Hs.267632	TBX3-iso protein	TMF1	333.2306	1.00072871
GF200	137456	R38300	Hs.23352	Hs.267182	ESTs	TBX3-iso	333.1401	-1.1326416
GF203	768602	AA425126	Hs.98402	Hs.98402	EST		333.1246	-2.1247791
GF200	211859	H68719	Hs.93297	Hs.228019	hypothetical protein	HSPC207	332.9388	1.48630341
GF203	298716	N74340	Hs.75798	Hs.75798	hypothetical protein	FLJ20493	332.9158	-1.3531055
GF203	435415	AA700090	Hs.110916	Hs.110916	hypothetical protein		332.8392	1.17711891

FO2020-86226860

## APPENDIX A

GF200	810791	AA481759	Hs.82380	Hs.82380	menage a trois 1 (CAK assembly factor)	MNAT1	332.8167	1.18155734
GF201	795729	AA460291	Hs.76366	Hs.76366	BCL2-antagonist of cell death	BAD	332.7364	
					ESTs, Moderately similar to hypothetical protein			
GF200	246449	N73222	Hs.110295	Hs.234972	[H.sapiens]		332.5322	-1.592902
GF201	73561	T55592	Hs.9403	Hs.9403	ESTs		332.4084	
GF203	756731	AA443920	Hs.25227	Hs.25227	ESTs		332.2326	-2.0058167
					ATP synthase, H+			
					transporting, mitochondrial F0 complex, subunit c (subunit 9)			
GF200	193106	H47080	Hs.429	Hs.429	isoform 3	ATP5G3	332.2198	-1.300185
GF203	786561	AA452244	Hs.16727	Hs.16727	ESTs		332.0592	-1.7259255
					Homo sapiens mRNA; cDNA			
GF203	454128	AA677212	Hs.23617	Hs.23617	DKFZp434G1221 (from clone)		331.9535	-2.5259158
GF200	75009	T51895	Hs.464	Hs.155227	DKFZp434G1221)		331.9376	-1.5017705
					EphB4	EPHB4		
					tumor necrosis factor receptor superfamily, member 5	TNFRSF5	331.9294	-1.5471688
GF200	261519	H98636	Hs.25648	Hs.25648	ESTs		331.7133	-2.269691
GF203	381058	AA054441	Hs.59821	Hs.59821	ESTs		331.5581	-1.2360992
GF203	431597	AA676422	Hs.117508	Hs.31539	regulator of nonsense			
					transcripts 1	RENT1	331.4967	
GF201	590727	AA156342	Hs.12719	Hs.12719	ESTs		331.4612	-1.1132149
GF203	430911	AA677901	Hs.117092	Hs.165402				
					Human Chromosome 16 BAC clone C1T987SK-A-101F10			
GF200	245273	N53445	Hs.47652	Hs.5320	ESTs		331.4502	-2.196244
GF203	257312	N29624	Hs.44004	Hs.44004	ESTs		331.3447	-1.5601829
GF200	233183	H77398	Hs.6700	Hs.6700	EST		331.0244	-1.7756054
GF203	1240283	AA788641	Hs.122363	Hs.122363	Homo sapiens mRNA; cDNA		330.8538	1.0813244
					DKFZp434P1217 (from clone)			
GF200	139113	R63022	Hs.18271	Hs.18271	DKFZp434P1217); partial cds		330.7858	-1.7134164
GF203	431948	AA678162	Hs.117107	Hs.117107	EST		330.5332	-1.179279

## APPENDIX A

Homo sapiens cDNA									
GF200	358333	W95682	Hs.109805	Hs.109805	FLJ20153 fis, clone				
GF203	156343	R72632	Hs.29282	Hs.29282	COL08656, highly similar to				
					AJ001381 Homo sapiens				
					incomplete cDNA for a				
					mutated allele				
					ESTs				
					ESTs, Weakly similar to				
GF202	565249	AA136133	Hs.71622	Hs.71622	KIAA0319 [H.sapiens]				
GF200	824070	AA491225	Hs.75302	Hs.75302	myotubular myopathy 1				
GF200	208904	H63760	Hs.52897	Hs.52897	ESTs				
					lysosomal-associated				
					membrane protein 2				
GF200	289615	N77754	Hs.8262	Hs.8262	ESTs				
GF201	279407	N46427	Hs.5170	Hs.5170	DKFZP58611023 protein				
GF200	841278	AA486836	Hs.44430	Hs.111515	hypothetical protein				
GF200	180244	R85562	Hs.58151	Hs.240062	PIBF1 gene product				
GF203	289939	N59340	Hs.43913	Hs.43913	Homo sapiens cDNA				
					FLJ10441 fis, clone				
					NT2RP1000733, highly similar				
					to Human mRNA for GSPT1-				
GF200	358736	W94438	Hs.59523	Hs.59523	TK protein				
GF203	433257	AA699429	Hs.117323	Hs.117323	ESTs				
					calcium channel, voltage-				
					dependent, L type, alpha 1C				
					subunit				
					ESTs				
GF201	502593	AA136049	Hs.84987	Hs.89925	KIAA0650 protein				
GF203	284383	N52151	Hs.47447	Hs.47447	Homo sapiens mRNA; cDNA				
GF203	451905	AA706967	Hs.8118	Hs.8118	DKFZp43410812 (from clone				
					DKFZp43410812); partial cds				
GF200	740554	AA479781	Hs.5100	Hs.263671	lamin A/C				
GF200	897544	AA489582	Hs.77886	Hs.77886	ESTs				
GF201	51747	H24327	Hs.27857	Hs.27857	mitogen-activated protein				
					kinase 1				
GF200	323506	W45690	Hs.75708	Hs.66151	MAPK1				

102020" 8666660

## APPENDIX A

GF200	323506	W45690	Hs.66151	Hs.66151	mitogen-activated protein kinase 1	MAPK1	328.8453	-1.2274802
GF203	824896	AA488893	Hs.20220	Hs.20220	ESTs, Weakly similar to similar to acetyltransferases [C.elegans]		328.8326	-1.6667281
GF203	30986	R41782	Hs.22279	Hs.22279	ESTs		328.8129	-2.7418885
GF201	129862	R17096	Hs.14337	Hs.14337	ESTs, Weakly similar to weakly similar to ANK repeat region of Fowlpox virus BamHI- orf7 protein [C.elegans]		328.8004	
GF203	435319	AA699931	Hs.117356	Hs.271956	ESTs, Moderately similar to HERV-E integrase [H.sapiens]		328.5826	-1.3373596
GF200	381067	AA057436	Hs.110267	Hs.24422	regulatory factor X-associated protein	RFXAP	328.5049	1.12017433
GF203	739094	AA421603	Hs.23889	Hs.23889	DKFZP564A032 protein	DKFZP564A032	328.4642	-1.0918927
GF203	434952	AA700680	Hs.106825	Hs.106825	Homo sapiens cDNA FLJ20300 fis, clone HEP06465		328.4393	1.11022292
GF203	176817	H45192	Hs.31792	Hs.31792	Homo sapiens cDNA FLJ11082 fis, clone PLACE1005206		328.2568	-1.1306962
GF201	502355	AA156988	Hs.82653	Hs.154721	aconitase 1, soluble	ACO1	328.1669	
GF203	399440	AA732915	Hs.59729	Hs.59729	ESTs		327.9577	1.51815752
GF203	746069	AA482035	Hs.28070	Hs.28070	KIAA0753 gene product	KIAA0753	327.9428	-1.1670587
GF200	209246	H63706	Hs.6387	Hs.119503	methionine-tRNA synthetase	MARS	327.937	1.74148018
GF203	280564	N51665	Hs.81474	Hs.81474	ESTs		327.8656	-1.1519797
GF203	712426	AA281583	Hs.79060	Hs.211563	B-cell CLL/lymphoma 7A golgi-specific brefeldin A- resistance factor 1	BCL7A	327.812	-2.3315579
GF201	489810	AA102089	Hs.118827	Hs.155499	transferrin receptor (p90, CD71)	GBF1	327.8108	
GF203	289652	N59881	Hs.118098	Hs.77356	interferon-induced protein 56	TFRC	327.6765	1.11480111
GF200	823696	AA489743	Hs.85121	Hs.20315	KIAA0989 protein	IFIT1	327.4646	-1.9034311
GF200	230274	H93486	Hs.57423	Hs.92186		KIAA0989	327.4625	-1.2003668

FO2020-86226860

## APPENDIX A

GF201	41647	R52794	Hs.91603	Hs.225952	protein tyrosine phosphatase, receptor type, T	PTPRT	327.4458
GF203	51078	H17135	Hs.6612	Hs.6612	ESTs		327.3136
					vesicle-associated soluble NSF attachment protein receptor (v-SNARE; homolog of <i>S. cerevisiae</i> VTI1)	VTI2	-1.3665784
GF203	451098	AA704511	Hs.129793	Hs.169206	ESTs		327.2578
GF200	123578	R00826	Hs.18989	Hs.18989	ESTs		327.169
GF203	43009	R59960	Hs.22829	Hs.22829	ESTs		327.1561
GF203	220658	H87795	Hs.114270	Hs.233502	ESTs		327.1329
GF203	757165	AA443950	Hs.2430	Hs.2430	transcription factor-like 1 thyroid hormone receptor interactor 8	TCFL1	327.0154
GF201	72000	T52320	Hs.9417	Hs.6685		TRIP8	326.8713
GF200	211216	H65733	Hs.37860	Hs.37860	Kruppel-like factor 1 (erythroid) KLF1 Homo sapiens mRNA; cDNA DKFZp434O0227 (from clone DKFZp434O0227)		326.7985
GF203	289794	N59295	Hs.44787	Hs.44787	ESTs, Highly similar to retinoic acid-induced protein		326.723
GF201	501868	AA128005	Hs.49597	Hs.49597	[H.sapiens]		326.6086
GF203	434822	AA703114	Hs.114233	Hs.188620	ESTs		326.5859
					Homo sapiens cDNA FLJ10485 fis, clone NT2RP2000195		-1.1502563
GF200	66977	T67558	Hs.56750	Hs.107528	ESTs, Weakly similar to CELL-CYCLE NUCLEAR AUTOANTIGEN SG2NA		326.1938
GF200	240702	H90964	Hs.108665	Hs.108665	[H.sapiens]		1.04212175
GF200	358673	W94105	Hs.94966	Hs.124199	ESTs		326.1769
					glycine cleavage system protein H (aminomethyl carrier)	GCSH	325.9755
GF200	134748	R28294	Hs.77631	Hs.77631			-1.0948459
GF203	431646	AA676441	Hs.119059	Hs.119059	ESTs		-1.1064333
GF200	130895	R22334	Hs.90790	Hs.90790	ESTs		325.9655
							325.8181
							325.7513
							1.43229944
							-1.6566069
							1.0053193

FILED "86226860

APPENDIX A

GF201	436135	AA702013	Hs.117367	Hs.117367	solute carrier family 22 (organic cation transporter), member 1	SLC22A1	325.6825	
GF200	26566	R13777	Hs.99654	Hs.99654	protein-O- mannosyltransferase 1	POMT1	325.6791	-1.0920814
GF200	206986	H48389	Hs.77802	Hs.268886	ESTs		325.6619	1.34786106
GF203	769986	AA427415	Hs.91619	Hs.256549	nucleotide binding protein 2 (E.coli MinD like)	NUBP2	325.5685	-1.3718841
GF201	327247	AA284292	Hs.80881	Hs.198248	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase,			
GF200	243194	H94571	Hs.35810	Hs.35810	polypeptide 1	B4GALT1	325.463	
					ESTs		325.2229	1.40805074
GF201	251351	H96213	Hs.111507	Hs.75709	mannose-6-phosphate receptor (cation dependent)	M6PR	325.1544	
GF200	298833	N75346	Hs.81820	Hs.36787	chromodomain helicase DNA binding protein 2	CHD2	325.1408	1.17986748
GF200	295923	N73536	Hs.5862	Hs.5862	hypothetical protein	BM-002	325.0344	-1.136172
GF200	242823	H94058	Hs.20787	Hs.20787	ESTs		325.0144	-2.036611
GF200	563451	AA113429	Hs.18895	Hs.18895	tousled-like kinase 1	TLK1	324.8734	-1.3118235
GF203	824510	AA490522	Hs.9825	Hs.9825	ESTs, Highly similar to CGI- 128 protein [H.sapiens]		324.6422	1.22961704
GF200	588500	AA143509	Hs.13048	Hs.114366	pyrroline-5-carboxylate synthetase (glutamate gamma- semialdehyde synthetase)	PYCS	324.594	1.48483166
GF200	155716	R72075	Hs.434	Hs.172816	neuregulin 1	NRG1	324.5697	1.1267121
GF200	842939	AA489331	Hs.85302	Hs.85302	adenosine deaminase, RNA- specific, B1 (homolog of rat RED1)	ADARB1	324.438	1.22403845
GF200	197413	R86953	Hs.94217	Hs.71109	Homo sapiens mRNA for KIAA1229 protein, partial cds		324.4336	1.31554904
GF200	188388	H44722	Hs.33182	Hs.158237	integrin, alpha 10	ITGA10	324.3757	-2.2004427
GF203	450896	AA704675	Hs.12283	Hs.227750	NADH dehydrogenase (ubiquinone) 1 beta			
GF203	266712	N22901	Hs.33979	Hs.33979	subcomplex, 4 (15kD, B15)	NDUFB4	324.2555	-1.0391147
					CGI-02 protein	CGI-02	324.0549	-1.4085078



"020/0" 86226860

## APPENDIX A

GF200	51746	H23046	Hs.79348	Hs.79348	regulator of G-protein signalling 7	RGS7	324.0544	-1.1244941
GF200	83363	T68518	Hs.79137	Hs.79137	protein-L-isoaspartate (D-aspartate) O-methyltransferase	PCMT1	323.8864	-1.2613957
GF200	785975	AA448599	Hs.80424	Hs.80424	coagulation factor XIII, A1 polypeptide	F13A1	323.8036	-1.1094745
GF200	770957	AA428170	Hs.1602	Hs.1602	dihydropyrimidine dehydrogenase	DPYD	323.7712	-1.2549645
GF202	565644	AA133309	Hs.71230	Hs.178904	ESTs		323.615	-1.7396664
GF203	417957	W90575	Hs.131711	Hs.131711	ESTs		323.5642	-2.6175028
GF200	29063	R40970	Hs.90797	Hs.90797	Homo sapiens clone 23620 mRNA sequence		323.5433	-1.351567
GF201	52704	H29227	Hs.21902	Hs.21902	Homo sapiens clone 25237 mRNA sequence		323.3733	
GF200	293921	N63941	Hs.13172	Hs.180455	RAD23 (S. cerevisiae) homolog A	RAD23A	323.2602	-1.1445679
GF203	395417	AA757417	Hs.24235	Hs.155049	Homo sapiens cDNA FLJ11282 fis, clone PLACE1009476, weakly similar to PUTATIVE ATP-DEPENDENT RNA HELICASE T26G10.1 IN CHROMOSOME III		322.9798	-1.0406004
GF200	241788	H91815	Hs.7645	Hs.7645	fibrinogen, B beta polypeptide	FGB	322.9129	-1.1703551
GF201	809495	AA443127	Hs.101445	Hs.250911	interleukin 13 receptor, alpha 1 IL13RA1 CD79A antigen		322.8582	
GF200	115281	T87012	Hs.79630	Hs.79630	(immunoglobulin-associated alpha)	CD79A	322.7504	-1.1471933
GF202	80699	T57848	Hs.10300	Hs.10300	ESTs		322.5987	-1.1064284
GF200	77577	T58932	Hs.10461	Hs.155210	FOS-like antigen 2	FOSL2	322.588	-1.3200885
GF201	206795	R98050	Hs.1259	Hs.1259	asialoglycoprotein receptor 2	ASGR2	322.5651	
GF200	47900	H11482	Hs.77077	Hs.180866	interferon gamma receptor 1	IFNGR1	322.5288	1.10800428
GF202	284457	N52337	Hs.47464	Hs.228601	EST		322.0096	-1.4187566

T02040" B626860

## APPENDIX A

GF200	485744	AA039932	Hs.89887	Hs.89887	thromboxane A2 receptor COX11 (yeast) homolog, cytochrome c oxidase assembly protein	TBXA2R	321.8571	-1.3288383
GF200	838716	AA457644	Hs.79392	Hs.241515	butyrophilin, subfamily 3, member A3	COX11	321.8111	1.29412214
GF200	753587	AA478585	Hs.113894	Hs.167741	butyrophilin, subfamily 3, member A3	BTN3A3	321.7479	1.1922897
GF200	753587	AA478585	Hs.87497	Hs.167741	Human chromosome 3p21.1 gene sequence	BTN3A3	321.7479	1.1922897
GF201	262053	H98812	Hs.111770	Hs.82837	ESTs		321.6771	
GF201	771326	AA476221	Hs.97874	Hs.105133	ESTs		321.6756	
GF200	136772	R35245	Hs.23625	Hs.23625	ESTs		321.6234	-1.1617331
GF202	510532	AA055807	Hs.63224	Hs.63224	ESTs		321.6147	-2.164705
GF203	726508	AA397906	Hs.49725	Hs.49725	DKFZP434I216 protein	DKFZP434I216	321.6024	-1.6859602
GF200	130868	R22315	Hs.22942	Hs.117414	Homo sapiens mRNA for KIAA1320 protein, partial cds		321.4497	1.07063518
GF201	428136	AA002006	Hs.16374	Hs.16374	ESTs		321.4329	
GF200	210368	H65343	Hs.38365	Hs.38365	KIAA0125 gene product	KIAA0125	320.5196	-1.3370471
GF200	127147	R08141	Hs.20103	Hs.20103	ESTs		320.3773	1.46454981
GF200	823614	AA490546	Hs.79023	Hs.173824	thymine-DNA glycosylase	TDG	320.1796	-1.2001528
GF200	290230	N62269	Hs.14453	Hs.14453	ESTs		320.1417	1.19606527
GF201	223274	H86518	Hs.308	Hs.308	arrestin 3, retinal (X-arrestin)	ARR3	320.1024	
GF200	293940	N66043	Hs.117783	Hs.2864	early endosome antigen 1, 162kD	EEA1	320.0425	1.31729479
GF200	293940	N66043	Hs.2864	Hs.2864	early endosome antigen 1, 162kD	EEA1	320.0425	1.31729479
GF200	132358	R27329	Hs.23829	Hs.23829	EST		319.9634	-1.9532504
GF203	451598	AA707081	Hs.101007	Hs.101007	ESTs		319.9292	-2.7792029
GF200	49164	H16637	Hs.75404	Hs.109225	vascular cell adhesion molecule 1	VCAM1	319.7522	-1.6177653
GF201	272548	N35892	Hs.42585	Hs.42585	ESTs		319.7291	
GF201	745360	AA625662	Hs.13340	Hs.13340	histone acetyltransferase 1	HAT1	319.5202	
GF200	194399	R83161	Hs.80720	Hs.27519	ESTs		319.5002	-2.6091181
GF201	841685	AA487586	Hs.5123	Hs.5123	inorganic pyrophosphatase	SID6-306	319.4567	
GF200	137653	R37887	Hs.23859	Hs.268686	ESTs		319.3114	-1.7113575

T02020" 86226860

## APPENDIX A

GF203	725707	AA394197	Hs.118509	Hs.182591	RAS guanyl releasing protein 1 (calcium and DAG-regulated) ESTs	RASGRP1	319.2019	1.53158748
GF203	684738	AA251418	Hs.87787	Hs.87787			319.0916	-1.6497
GF203	289599	N62788	Hs.85846	Hs.136102	KIAA0853 protein	KIAA0853	319.0307	-2.6329571
GF200	32609	R43734	Hs.78672	Hs.78672	laminin, alpha 4	LAMA4	318.9455	-1.0973784
					Homo sapiens cDNA			
					FLJ10808 fis, clone			
					NT2RP4000879, weakly similar to UBIQUITIN-			
GF203	855323	AA630292	Hs.59838	Hs.59838	ACTIVATING ENZYME E1		318.7797	-1.0298819
					Homo sapiens mRNA; cDNA			
GF203	392703	AA708054	Hs.120844	Hs.120844	DKFZp762A1712 (from clone DKFZp762A1712); partial cds		318.759	-1.2102336
					ESTs, Weakly similar to coding sequence of pol [R.norvegicus]			
GF200	67075	T70356	Hs.13200	Hs.269098	vinculin	VCL	318.5872	-1.3167138
GF200	841203	AA486728	Hs.75350	Hs.75350	ESTs		318.5749	-1.8620643
GF201	34014	R44564	Hs.23751	Hs.23751	ESTs		318.4726	
GF200	212325	H68655	Hs.38751	Hs.38751	ESTs		318.4529	-1.1940698
					reticulocalbin 1, EF-hand calcium binding domain	RCN1	318.4505	1.30716825
GF200	810729	AA457719	Hs.82826	Hs.167791	ESTs, Weakly similar to hypothetical protein			
					[H.sapiens]		318.4433	
GF201	71312	T47625	Hs.49753	Hs.49753	KIAA0992 protein	KIAA0992	318.39	-1.2460475
GF200	128457	R10545	Hs.84504	Hs.258812	5'-3' exoribonuclease 2	XRN2	318.2811	-1.0625315
GF200	364840	AA028164	Hs.5900	Hs.268555	ESTs		318.1058	1.12891687
GF200	142984	R71190	Hs.28313	Hs.28313	secreted frizzled-related protein 4	SFRP4	317.9606	1.05875468
GF200	841282	AA486838	Hs.105700	Hs.105700	acyl-Coenzyme A dehydrogenase, very long chain	ACADVL		
GF200	810358	AA464163	Hs.82208	Hs.82208	ESTs		317.9436	1.49046286
GF201	79576	T62849	Hs.11090	Hs.11090	ESTs, Highly similar to unknown [H.sapiens]		317.7282	
GF200	343352	W68127	Hs.18282	Hs.18282			317.6093	-1.1884375

APPENDIX A

GF200	131668	R23810	Hs.23589	Hs.23589	ESTs inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	317.5051	-1.7154495
GF203	41072	R56102	Hs.43505	Hs.43505	IKBK	317.0563	-1.5697726
GF201	24632	R39364	Hs.13440	Hs.159412	Homo sapiens clone 24628	317.0484	
GF200	296041	W02424	Hs.94288	Hs.244934	mRNA sequence	317.0097	1.2489811
GF200	175123	H39192	Hs.3080	Hs.3080	mitogen-activated protein kinase 7	316.9904	-1.5821202
GF200	139593	R64203	Hs.28487	Hs.26813	CDA14	316.8596	-1.5741395
GF203	431790	AA678006	Hs.117097	Hs.117097	ESTs	316.7247	-1.1678042
GF202	261609	H98714	Hs.24131	Hs.24131	ESTs	316.7122	-1.7488166
GF200	134235	R31154	Hs.23603	Hs.23603	ESTs	316.6755	-1.4674766
GF203	712884	AA282206	Hs.14562	Hs.14562	ESTs	316.6081	-2.9024306
GF200	667883	AA258396	Hs.82101	Hs.82101	pleckstrin homology-like domain, family A, member 1	316.5304	-1.2674411
GF201	71977	T52311	Hs.9414	Hs.9414	ESTs, Weakly similar to hypothetical protein, similar to [H.sapiens]	316.4668	
GF200	80146	T64134	Hs.11383	Hs.11383	small inducible cytokine subfamily A (Cys-Cys), member 13	316.4611	-1.0129679
GF203	431863	AA678370	Hs.61364	Hs.61364	ESTs	316.3051	-1.0861431
GF201	487338	AA043806	Hs.82084	Hs.82084	integrin beta 3 binding protein (beta3-endonexin)	316.2799	
GF203	755424	AA423792	Hs.54849	Hs.129959	ESTs, Weakly similar to IL-17 receptor [H.sapiens]	316.1115	-1.025914
GF203	712499	AA278382	Hs.50456	Hs.50456	ESTs, Moderately similar to ZINC FINGER PROTEIN 75 [H.sapiens]	315.9287	-1.7171697
GF200	897673	AA598759	Hs.75888	Hs.75888	phosphogluconate dehydrogenase	315.7976	1.30872568
GF201	291342	N72256	Hs.44761	Hs.177155	ESTs	315.7043	
GF203	396829	AA758152	Hs.121291	Hs.121291	ESTs	315.6991	-1.3898209
					PGD		

FOUO" 86226860

## APPENDIX A

ESTs, Moderately similar to					
GF201	428067	AA002072	Hs.39292	Hs.39292	315.4738
GF201	142184	R69622	Hs.62275	Hs.62275	315.3149
				LOC51026	
GF201	207838	H60298	Hs.107757	Hs.7155	315.2842
GF200	66731	T64905	Hs.92282	Hs.92282	315.2326
				PITX2	-1.5827205
GF200	138592	R63342	Hs.11528	Hs.98314	315.1953
GF200	233719	H79046	Hs.39912	Hs.39912	315.1809
GF201	50405	H17960	Hs.24338	Hs.172635	315.1785
GF201	31813	R41725	Hs.22135	Hs.140852	315.1289
GF201	82738	T73558	Hs.88646	Hs.88646	315.1264
GF200	366085	AA071470	Hs.43905	Hs.81170	315.0686
GF200	296170	W02426	Hs.50486	Hs.269147	315.0403
GF200	208570	H63223	Hs.33347	Hs.33347	314.8961
GF200	838676	AA457330	Hs.8260	Hs.169172	314.8177
GF201	417688	W89074	Hs.20851	Hs.20851	314.4729
GF200	284620	N64794	Hs.49066	Hs.124918	314.4704
GF201	31837	R41965	Hs.13461	Hs.6900	314.4604
GF201	252663	H83329	Hs.65425	Hs.65425	314.3654
GF200	139835	R62288	Hs.28309	Hs.28309	314.1936
GF201	469235	AA027277	Hs.119735	Hs.180946	314.0694
GF203	745397	AA625765	Hs.13047	Hs.181551	313.9964
				thyroid hormone receptor	-1.3237502
GF201	46286	H09113	Hs.6685	Hs.6685	313.9231
				interactor 8	TRIP8
GF203	754443	AA410295	Hs.97911	Hs.75258	313.5948
GF201	26568	R39111	Hs.74088	Hs.74088	313.5742
GF202	742899	AA405369	Hs.97989	Hs.97989	313.5545
				similar to yeast BET3 (S. cerevisiae)	-1.8801574
GF202	780977	AA429882	Hs.111187	Hs.24391	313.4347
				interleukin 1 receptor antagonist	BET3
GF200	84295	T72877	Hs.81134	Hs.81134	313.3793
				IL1RN	-1.2546275

T02040" 86226860

## APPENDIX A

GF200	243155	H94469	Hs.11820	Hs.184352	ESTs, Weakly similar to cDNA EST EMBL:D36107 comes from this gene [C.elegans] ESTs phosphatidylinositol-4- phosphate 5-kinase, type I, gamma ESTs fibroblast growth factor 1 (acidic) protein kinase, interferon- inducible double stranded RNA dependent activator Symplekin; Huntingtin interacting protein I ESTs programmed cell death 9 ESTs nuclear receptor subfamily 4, group A, member 2 dual-specificity tyrosine-(Y)- phosphorylation regulated kinase 2 ESTs, Highly similar to HIGH MOBILITY GROUP PROTEIN HMGIC [H.sapiens] Homo sapiens clone 23872 mRNA sequence ESTs Homo sapiens mRNA; cDNA DKFZp434K0522 (from clone DKFZp434K0522) histidyl-tRNA synthetase APG5 (autophagy 5, S. cerevisiae)-like	313.0904	-1.2948668
GF202	489216	AA056697	Hs.63335	Hs.63335		312.7437	-1.393979
GF200	840889	AA482251	Hs.1659	Hs.275182	PIP5K1C	312.577	-1.1656158
GF200	125828	R07748	Hs.13868	Hs.191219		312.4619	-2.5249882
GF200	360478	AA015793	Hs.75297	Hs.75297	FGF1	312.287	-1.230867
GF202	796132	AA460968	Hs.18571	Hs.18571	PRKRA	312.0681	-1.5771856
GF201	239661	H79566	Hs.97851	Hs.107019	SPK	311.9268	1.62531177
GF200	245299	N53453	Hs.35574	Hs.35574		311.7196	
GF203	270558	N33236	Hs.114382	Hs.28555	PDCD9	311.6697	-1.358865
GF201	427806	AA001611	Hs.18501	Hs.269188		311.6507	
GF200	898221	AA598611	Hs.82120	Hs.82120	NR4A2	311.338	-1.1484682
GF200	138737	R63623	Hs.23845	Hs.173135	DYRK2	311.2667	-1.5904743
GF200	261204	H98218	Hs.2726	Hs.271888	-1.2034835	311.2383	-1.2034835
GF201	841314	AA487218	Hs.3857	Hs.188882		311.1948	
GF200	141684	R69645	Hs.106243	Hs.106243	1.00658684	311.0682	1.00658684
GF201	289734	N62965	Hs.27818	Hs.36727	HARS	311.0319	1.18780424
GF200	236305	H61209	Hs.2741	Hs.77798		311.0266	
GF200	309092	N95381	Hs.11171	Hs.11171	APG5L	310.7571	-1.2278703

APPENDIX A

GF200	810813	AA458884	Hs.38991	S100 calcium-binding protein A2	S100A2	310.6807	-1.9676658
GF200	511816	AA088745	Hs.5636	RAB6, member RAS oncogene family	RAB6	310.6237	-1.0205852
GF203	279800	N49107	Hs.4007	ESTs		310.5782	-1.6202312
GF200	199286	R95887	Hs.75478	KIAA0956 protein	KIAA0956	310.5452	1.34721274
GF201	66965	T67552	Hs.166172	aryl hydrocarbon receptor		310.5449	
GF203	454232	AA677224	Hs.112062	nuclear translocator	ARNT	310.3943	-1.2532337
GF203	399336	AA732787	Hs.120306	ESTs		310.3763	-1.3647848
GF203	392544	AA708109	Hs.120090	ESTs		310.3376	-1.2033057
				splicing factor			
				proline/glutamine rich			
GF200	773254	AA425853	Hs.91379	(polypyrimidine tract-binding protein-associated)	SFPQ	310.3312	-1.3421022
GF203	219709	H84244	Hs.109616	kinesin-like 5 (mitotic kinesin-like protein 1)	KNSL5	310.3221	-1.0055595
GF200	754093	AA479199	Hs.82733	nidogen 2	NID2	310.2999	1.27966189
GF200	221808	H92347	Hs.78103	nucleosome assembly protein 1-like 4	NAP1L4	310.1976	1.33228822
GF201	782176	AA431203	Hs.106134	MRJ gene for a member of the DNAJ protein family	MRJ	310.1023	
GF201	291523	N67792	Hs.42754	ESTs		309.9534	
GF200	109221	T81399	Hs.14912	KIAA0286 protein	KIAA0286	309.8205	-1.5151391
				Rab			
GF200	812155	AA456028	Hs.78948	geranylgeranyltransferase, beta subunit	RABGGTB	309.5946	-1.0639917
				proteasome (prosome, macropain) subunit, beta type, 10	PSMB10	309.5262	-1.4390591
GF200	68977	T53775	Hs.9661	ESTs		309.5178	1.04264334
GF200	121420	T97257	Hs.94560	ESTs		309.288	-1.5109081
GF202	286450	N67336	Hs.23862	ras homolog gene family, member G (rho G)			
GF200	159118	R76314	Hs.75082	annexin A7	ARHG	309.0383	1.20727777
GF200	49352	H15504	Hs.78637		ANXA7	308.3986	-1.0959949

T-02020" 86226860

## APPENDIX A

GF200	418126	W90506	Hs.59271	Hs.59271	U2(RNU2) small nuclear RNA auxiliary factor 1 (non- standard symbol) U2AF1	308.3256	1.08365239
GF200	418126	W90506	Hs.118378	Hs.59271	U2(RNU2) small nuclear RNA auxiliary factor 1 (non- standard symbol) U2AF1	308.3256	1.08365239
GF200	772878	AA428454	Hs.99936	Hs.99936	keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris) KRT10	308.2561	-1.2088155
GF203	397635	AA708269	Hs.120795	Hs.246970	mitogen-activated protein kinase kinase kinase 5 MAP4K5	308.0144	-1.4018461
GF200	549073	AA083228	Hs.75546	Hs.75546	capping protein (actin filament) muscle Z-line, alpha 2 CAPZA2	307.8636	1.09211146
GF203	435997	AA703233	Hs.113140	Hs.113140	ESTs	307.4909	-1.5769197
GF200	194972	R91083	Hs.34363	Hs.16951	DKFZP586P2219 protein	307.4064	1.05203153
GF200	140830	R67210	Hs.24689	Hs.170131	ESTs	307.3436	-1.9450758
GF200	131050	R23302	Hs.23479	Hs.28783	Homo sapiens mRNA for KIAA1223 protein, partial cds	307.2617	1.06866628
GF200	66721	T64901	Hs.76838	Hs.76838	thyroxin-binding globulin	307.2383	1.10959656
GF200	150314	H00817	Hs.12540	Hs.12540	lysophospholipase I	307.0362	1.09333739
GF203	701103	AA287318	Hs.22486	Hs.25615	YDD19 protein	306.781	-1.5377496
GF200	132017	R32647	Hs.23545	Hs.23545	ESTs	306.4423	-1.5107723
GF203	712610	AA281793	Hs.88917	Hs.88917	ESTs	306.4051	-1.2907882
GF200	143208	R73868	Hs.24240	Hs.24240	ESTs	306.3927	-1.0232873
GF200	768562	AA429297	Hs.3713	Hs.155968	zinc finger protein homologous to Zfp103 in mouse	306.3552	1.24958604
GF203	396148	AA757909	Hs.121258	Hs.95351	lipase, hormone-sensitive restin (Reed-Steinberg cell- expressed intermediate	306.3508	-1.405012
GF200	810802	AA458868	Hs.31638	Hs.31638	filament-associated protein) membrane protein, RSN	306.3195	1.1416037
GF200	296880	W01240	Hs.1861	Hs.1861	palmitoylated 1 (55kD) MPP1	306.1204	1.65802315
GF200	825369	AA504600	Hs.75902	Hs.155584	KIAA0121 gene product KIAA0121	305.9115	1.11872012



## APPENDIX A

[illegible]

T02020" 86225860

## APPENDIX A

GF200	156023	R72507	Hs.21362	Hs.21362	ESTs, Weakly similar to acid-rich protein [C.elegans]	303.7657	-1.9752138
					ESTs, Weakly similar to !!!!		
					ALU SUBFAMILY SB2		
					WARNING ENTRY !!!!		
GF200	244329	N75729	Hs.107772	Hs.270202	[H.sapiens]	303.6853	-1.3589318
GF200	193383	H48097	Hs.4934	Hs.4934	H.sapiens polyA site DNA	303.5785	-1.4718112
					xeroderma pigmentosum,		
GF200	788141	AA453300	Hs.296	Hs.192803	complementation group A	303.416	-1.2176395
GF200	292217	N79180	Hs.48546	Hs.23168	ubiquitin specific protease 15	303.2081	-1.0096214
GF201	366590	AA026666	Hs.49367	Hs.49367	ESTs	303.1306	
					Homo sapiens cDNA		
GF203	884789	AA629844	Hs.57672	Hs.57672	FLJ20248 fis, clone	303.0685	-1.4544964
					COLF6543		
					protein phosphatase 1,		
					regulatory (inhibitor) subunit		
GF200	796268	AA460827	Hs.76780	Hs.76780	1A	302.9952	1.12629728
					prostaglandin E receptor 3		
GF200	753211	AA406362	Hs.495	Hs.170917	(subtype EP3)	302.8128	1.08662547
					ESTs, Weakly similar to zeste		
GF203	417905	W90543	Hs.108788	Hs.108788	[D.melanogaster]	302.7942	-1.7436477
					myo-inositol 1-phosphate		
GF201	247089	N57858	Hs.24246	Hs.264414	synthase A1	302.5737	
GF200	815501	AA456868	Hs.76084	Hs.76084	lamin B2	302.5668	1.11755072
					Homo sapiens cDNA		
GF201	32681	R43541	Hs.23001	Hs.239475	FLJ20727 fis, clone	302.5384	
GF200	357091	W93510	Hs.6363	Hs.6363	HEP13238	302.4637	-1.5842179
					ESTs		
GF201	200018	R97095	Hs.2484	Hs.2484	T-cell leukemia/lymphoma 1A	302.438	
GF200	234469	H95358	Hs.37364	Hs.145526	ESTs	302.4214	1.23703218
GF201	134690	R28267	Hs.24258	Hs.24258	ESTs	302.3557	
GF200	135426	R32996	Hs.24576	Hs.271597	ESTs	302.3298	-2.2992998
					RAB2, member RAS		
GF200	79520	T82414	Hs.78305	Hs.78305	oncogene family	302.242	-1.079906
					RAB2		

T02040" 86446860

## APPENDIX A

GF203	306750	N91876	Hs.126745	Hs.11817	nudix (nucleoside diphosphate linked moiety X)-type motif 5	NUDT5	302.238	-1.5644098
GF200	841478	AA487235	Hs.3248	Hs.3248	mutS (E. coli) homolog 6	MSH6	302.2082	-1.0776551
					ESTs, Weakly similar to !!!!			
					ALU SUBFAMILY J			
					WARNING ENTRY !!!!			
GF202	566421	AA148859	Hs.29201	Hs.179909	[H.sapiens]		302.1303	-1.2321603
GF200	52646	H29592	Hs.31100	Hs.156814	KIAA0377 gene product	KIAA0377	302.0717	-1.0658721
GF203	113318	T83727	Hs.131907	Hs.187411	ESTs		301.9719	-2.5351195
GF203	712874	AA282184	Hs.61224	Hs.61224	ESTs		301.8313	1.35257377
GF200	132569	R26798	Hs.7447	Hs.262966	ESTs		301.4421	-2.4941523
GF200	121727	T98162	Hs.42586	Hs.42586	ESTs		301.3603	1.12035786
GF200	134192	R31082	Hs.21912	Hs.21912	ESTs		300.7953	-2.2114797
					Gardner-Rasheed feline			
					sarcoma viral (v-fgr) oncogene			
GF200	681906	AA256231	Hs.1422	Hs.1422	homolog	FGR	300.7846	-1.2512599
GF203	813346	AA455172	Hs.99396	Hs.178290	ESTs		300.7453	-2.8976829
GF200	788721	AA449957	Hs.51065	Hs.154797	KIAA0090 protein	KIAA0090	300.7373	-1.128514
					Homo sapiens PAC clone			
GF200	120533	T95411	Hs.17563	Hs.105022	DJ0701016 from 7q33-q36		300.6823	1.17329979
					Homo sapiens mRNA for			
GF200	243546	N49280	Hs.106283	Hs.106283	KIAA1354 protein, partial cds		300.6147	1.22714353
					Homo sapiens cDNA			
					FLJ10115 fis, clone			
GF203	45605	H08208	Hs.17537	Hs.272824	HEMBA1002777		300.5579	-1.860074
					protein phosphatase 2			
					(formerly 2A), regulatory			
					subunit B" (PR 72), alpha			
					isoform and (PR 130), beta			
GF200	293157	N63863	Hs.89	Hs.28219	isoform	PPP2R3	300.4319	1.13881664
GF200	209340	H65511	Hs.38382	Hs.38382	ESTs		300.416	-1.0768325
GF200	240977	H80993	Hs.10336	Hs.10336	ESTs		300.2608	-1.4925816
					proteasome (prosome,			
					macropain) 26S subunit,			
GF200	767049	AA424315	Hs.79357	Hs.79357	ATPase, 6	PSMC6	300.1921	1.19953264

FILED "86226860"

## APPENDIX A

GF200	810485	AA457158	Hs.75424	Hs.75424	inhibitor of DNA binding 1, dominant negative helix-loop- helix protein	ID1	300.1422	-1.0727542
GF203	767775	AA418081	Hs.12101	Hs.12101	hypothetical protein	LOC51242	300.1201	-1.3623601
GF200	53099	R15791	Hs.90821	Hs.90821	ryanodine receptor 2 (cardiac)	RYR2	300.0938	-1.3988221
GF200	53099	R15791	Hs.117609	Hs.90821	ryanodine receptor 2 (cardiac) protein kinase, cAMP- dependent, regulatory, type II,	RYR2	300.0938	-1.3988221
GF200	609663	AA181500	Hs.77439	Hs.77439	beta	PRKAR2B	300.0128	1.11566373
GF203	884799	AA629849	Hs.27258	Hs.27258	calcyclin binding protein	CACYBP	299.9489	-1.312966
GF202	742685	AA400292	Hs.23786	Hs.23786	ESTs		299.767	-2.1473808
GF200	295723	N66925	Hs.49275	Hs.49275	ESTs		299.7451	-1.0512971
GF200	770670	AA476272	Hs.88888	Hs.211600	tumor necrosis factor, alpha- induced protein 3	TNFAIP3	299.6506	-1.1967847
GF200	86220	T72422	Hs.77568	Hs.183671	tryptophan 2,3-dioxygenase	TDO2	299.5179	-1.024885
GF200	841059	AA486942	Hs.82422	Hs.82422	capping protein (actin filament), gelsolin-like	CAPG	299.4067	-1.836102
GF200	141316	R63812	Hs.28444	Hs.28444	Homo sapiens cDNA FLJ10567 fis, clone NT2RP2002980, weakly similar to 30S RIBOSOMAL PROTEIN S10		299.3847	1.00130169
GF200	898328	AA598840	Hs.75878	Hs.75878	early development regulator 2 (homolog of polyhomeotic 2)	EDR2	299.2552	-1.1100367
GF200	209683	H52198	Hs.93126	Hs.93126	ESTs		299.222	-1.5367134
GF203	450780	AA704603	Hs.119835	Hs.119835	EST		299.108	-1.116714
GF201	377051	AA057620	Hs.30807	Hs.77326	insulin-like growth factor binding protein 3	IGFBP3	299.0291	
GF201	588609	AA147072	Hs.54697	Hs.54697	KIAA0424 protein	KIAA0424	298.893	
GF200	203351	H54367	Hs.23103	Hs.23103	Golgi vesicular membrane trafficking protein p18	BET1	298.7314	-1.0384066
GF200	346484	W79082	Hs.22707	Hs.10964	Homo sapiens mRNA; cDNA DKFZp434L0816 (from clone DKFZp434L0816); partial cds		298.6732	-1.0252955

102020" 85226860

## APPENDIX A

GF200	148379	H13300	Hs.2422	Hs.239176	insulin-like growth factor 1 receptor	IGF1R	298.5995	-1.3362323
GF202	282720	N50079	Hs.7590	Hs.274170	Opa-interacting protein 2	OIP2	298.4236	-1.530417
GF200	755975	AA496691	Hs.76111	Hs.76111	dystroglycan 1 (dystrophin-associated glycoprotein 1)	DAG1	298.271	-1.0121269
GF201	302997	N91145	Hs.93330	Hs.32922	Homo sapiens cDNA FLJ20036 fis, clone COL00219		297.8238	
GF200	182977	H43129	Hs.101854	Hs.146401	small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating)	SCYE1	297.7625	-1.050664
GF200	785148	AA476460	Hs.78867	Hs.78867	protein tyrosine phosphatase, receptor-type, zeta polypeptide 1	PTPRZ1	297.7017	1.0892033
GF200	813714	AA453850	Hs.10853	Hs.195175	CASP8 and FADD-like apoptosis regulator	CFLAR	297.5826	-1.2720191
GF200	246292	N77099	Hs.28608	Hs.28608	Human DNA sequence from clone RP5-1103G7 on chromosome 20p12.2-13. Contains up to five unknown novel genes, the gene for a novel protein kinase domains containing protein similar to phosphoprotein C8FW an the SOX22 gene for SRY (sex-determining region Y)-putative chemokine receptor;		297.5541	-1.7171686
GF200	123666	R02740	Hs.252	Hs.137555	GTP-binding protein	HM74	297.3936	-1.8632877
GF200	110996	T90462	Hs.15167	Hs.15167	ESTs, Moderately similar to KIAA0412 [H.sapiens]		297.3725	1.1405521
GF200	136598	R34933	Hs.24870	Hs.24870	ESTs		297.1504	1.00802894
GF200	244299	N75715	Hs.30151	Hs.30151	ESTs		297.1046	1.33587074
GF200	154999	R55461	Hs.1975	Hs.1975	TAL1 (SCL) interrupting locus	SIL	297.0689	1.12454813
GF203	433558	AA699460	Hs.113168	Hs.277401	bromodomain adjacent to zinc finger domain, 2A	BAZ2A	296.9747	-2.7708631

Westbrook et al.

APPENDIX A

GF203	287791	N62311	Hs.91626	Hs.91626	Homo sapiens clone B18			
GF200	301678	N79558	Hs.94542	Hs.94542	unknown mRNA			
					ESTs		296.4952	-2.3827878
					sparc/osteonectin, cwcv and		296.3423	1.48710766
					kazal-like domains			
GF200	754358	AA436142	Hs.8122	Hs.93029	proteoglycan (testican)	SPOCK	296.3401	1.2653446
					lanosterol synthase (2,3-			
					oxidosqualene-lanosterol			
GF200	770355	AA434024	Hs.93199	Hs.93199	cyclase)	LSS	296.0282	1.08277403
					eukaryotic translation initiation			
GF203	361250	AA016292	Hs.33779	Hs.93379	factor 4B	EIF4B	295.8626	-1.7411315
					p21 (CDKN1A)-activated			
GF201	173561	H22412	Hs.107562	Hs.30692	kinase 2	PAK2	295.8363	
GF200	275634	R94840	Hs.35372	Hs.35372	ESTs		295.7976	1.78489866
					karyopherin alpha 1 (importin			
GF200	611956	AA180046	Hs.20008	Hs.169149	alpha 5)	KPNA1	295.7048	-2.4585984
GF200	815235	AA481276	Hs.75682	Hs.75682	autoantigen	RCD-8	295.6819	-1.2149376
GF203	277621	N49389	Hs.112250	Hs.112250	ESTs		295.5815	1.01849199
GF203	684564	AA251339	Hs.87856	Hs.87856	ESTs		295.5351	-1.1713472
					ESTs, Highly similar to NY-			
GF200	196849	R93089	Hs.35039	Hs.173684	REN-37 antigen [H.sapiens]		295.2682	-1.5480382
GF202	277226	N41013	Hs.40183	Hs.40183	ESTs		295.0498	-1.7921836
GF203	726421	AA399216	Hs.7968	Hs.7968	ESTs		294.9922	-2.6321771
					ESTs, Moderately similar to			
					DIHYDROOROTATE			
					DEHYDROGENASE			
GF200	417385	W88472	Hs.94925	Hs.125846	PRECURSOR [H.sapiens]		294.9091	-1.1868833
					inositol polyphosphate-4-			
GF200	165857	R86721	Hs.34075	Hs.153687	phosphatase, type II, 105kD	INPP4B	294.6599	1.15117959
					ESTs, Weakly similar to			
					OVARIAN GRANULOSA			
					CELL 13.0 KD PROTEIN			
GF201	283089	N51315	Hs.47209	Hs.47209	HGR74 [H.sapiens]		294.5645	

"FOIA b 5" DELETED

## APPENDIX A

ESTs, Moderately similar to 17-beta-hydroxysteroid dehydrogenase type 7 [M.musculus]									
GF200	247901	N77671	Hs.93332	Hs.187579				294.4331	1.01672153
GF200	125589	R07444	Hs.19963	Hs.163118				294.4287	-1.1292055
GF200	121355	T96780	Hs.17876	Hs.70834				293.952	-1.0248076
ESTs, Highly similar to CGI-110 protein [H.sapiens]									
GF200	193546	H47450	Hs.33937	Hs.177861				293.8544	1.23726059
GF203	49485	H16600	Hs.7133	Hs.7133				293.7855	-1.7993174
ESTs, Weakly similar to weak similarity to HSP90 [C.elegans]									
GF201	810220	AA464689	Hs.23294	Hs.23294				293.7354	
GF200	210646	H64260	Hs.91620	Hs.259842		H91620p		293.4825	-1.2032506
GF200	233318	H78863	Hs.23754	Hs.23754		ESTs		293.4274	-1.5812509
GF203	298469	N74161	Hs.87401	Hs.29189		KIAA1021 protein	KIAA1021	293.3302	-2.8833282
chromodomain helicase DNA binding protein 2									
GF201	365778	AA025858	Hs.49338	Hs.36787		CHD2		293.188	
GF201	279519	N48827	Hs.44382	Hs.44382		ESTs		293.0608	
sushi-repeat-containing protein, X chromosome									
GF200	785933	AA448569	Hs.15154	Hs.15154		SRPX		293.0324	1.09822725
GF200	138234	R67983	Hs.92195	Hs.92195		ESTs		292.7262	-1.87402
ubiquitination factor E4B (homologous to yeast UFD2)									
GF200	203547	H56109	Hs.78269	Hs.24594		UBE4B		292.521	-1.1542065
GF203	449079	AA777855	Hs.114135	Hs.114135		ESTs		292.5204	1.18939475
guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type									
GF202	841483	AA487247	Hs.39748	Hs.154145		GNAL		292.4188	-1.4039152
GF200	294682	W01603	Hs.110524	Hs.211516		ESTs		292.2977	1.09882305
GF202	795342	AA453250	Hs.29280	Hs.29280		ESTs		292.2884	-1.5329392
TATA element modulatory factor 1									
GF200	684940	AA252318	Hs.101580	Hs.267632		TMF1		292.1227	1.03259929
TATA element modulatory factor 1									
GF200	684940	AA252318	Hs.74985	Hs.267632		TMF1		292.1227	1.03259929
GF200	298118	N70765	Hs.17211	Hs.17211		dedicator of cyto-kinesis 2	DOCK2	292.1185	-1.2309537

"102020" 8626860

## APPENDIX A

GF200	143919	R76749	Hs.24529	Hs.24529	ESTs, Weakly similar to transformation-related protein [H.sapiens]	292.0555	-1.0500285
GF201	486113	AA039231	Hs.82510	Hs.227881	RAB3 GTPase-ACTIVATING PROTEIN	291.9043	
GF203	33881	R44914	Hs.106328	Hs.176657	RAN binding protein 3	291.7191	-2.9094262
					ATPase, H+ transporting, lysosomal (vacuolar proton pump), beta polypeptide, 56/58kD, isoform 1	291.5557	-1.1815662
GF200	156211	R73402	Hs.64173	Hs.64173	Ras suppressor protein 1	291.4694	1.5066705
GF200	687397	AA235332	Hs.75551	Hs.75551	myosin, light polypeptide kinase		
GF200	126341	R06438	Hs.77310	Hs.211582	MYLK	291.3739	1.27840623
GF202	283401	N52780	Hs.47539	Hs.47539	EST	291.3481	-1.2938385
					ESTs, Weakly similar to hTcf-4 [H.sapiens]		
GF200	111884	T84996	Hs.15483	Hs.167507	ESTs	291.2995	-1.8464754
GF200	66316	T66794	Hs.12943	Hs.191117		290.9912	-1.3514723
GF201	282907	N45123	Hs.9349	Hs.9349	ryanodine receptor 3	290.8844	
GF200	302292	N78831	Hs.75334	Hs.75334	exostoses (multiple) 2	290.8052	1.01842839
GF200	241113	H91332	Hs.92200	Hs.92200	KIAA0480 gene product	290.738	-1.6672158
GF201	428476	AA004484	Hs.49360	Hs.11050	F-box protein Fbx9	290.7223	
					SCO (cytochrome oxidase deficient, yeast) homolog 1		
GF203	646657	AA205413	Hs.14511	Hs.14511	SCO1	290.6334	1.06765005
GF200	345090	W74362	Hs.7045	Hs.7045	ESTs	290.6065	-1.319599
					putative N6-DNA-methyltransferase		
GF202	347020	W79499	Hs.58580	Hs.58580	N6AMT1	290.4885	-1.5918351
GF203	431425	AA706858	Hs.120774	Hs.221594	ESTs	290.4127	-1.3097358
					protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform		
GF200	205490	H57850	Hs.37518	Hs.108705	PPP2R1B	290.1493	1.00411371
					basement membrane-induced gene		
GF200	307255	W21482	Hs.10649	Hs.10649	ICB-1	290.0772	-1.1660182
GF200	213754	H71752	Hs.106010	Hs.219864	ESTs	290.024	-1.0001514
GF200	51328	H20743	Hs.76932	Hs.76932	cell division cycle 34	289.9388	1.17893026
GF200	71622	T57957	Hs.1904	Hs.1904	protein kinase C, iota	289.8761	1.04493105



FO2020" 86226860

## APPENDIX A

GF200	898108	AA598473	Hs.3238	Hs.3238	adenovirus 5 E1A binding protein	BS69	289.6327	-1.9171406
GF201	268727	N24004	Hs.78489	Hs.271353	mutY (E. coli) homolog	MUTYH	289.5461	
					Homo sapiens cDNA			
GF203	290261	N64405	Hs.29379	Hs.29379	FLJ10687 fis, clone		289.4279	-1.6296682
					NT2RP3000312			
					Homo sapiens cDNA			
GF203	491524	AA148505	Hs.43946	Hs.43946	FLJ10004 fis, clone		289.2271	-2.0412266
					HEMBA1000076			
					Homo sapiens cDNA			
GF200	66555	T67069	Hs.13011	Hs.13011	FLJ20423 fis, clone KAT02589		289.1648	-2.3278632
					Kallmann syndrome 1			
GF200	50182	H17882	Hs.89591	Hs.89591	sequence	KAL1	289.1435	-1.6821777
GF203	433198	AA680150	Hs.116963	Hs.116963	ESTs		289.0476	-1.1734048
GF203	825088	AA489238	Hs.61965	Hs.111515	DKFZP58611023 protein	DKFZP58611023	288.8411	-1.0329989
					Homo sapiens mRNA; cDNA			
GF202	950894	AA608709	Hs.71252	Hs.71252	DKFZp761C169 (from clone		288.795	-1.0727424
					DKFZp761C169); partial cds			
					mutS (E. coli) homolog 2			
					(colon cancer, nonpolyposis			
					type 1)	MSH2	288.6614	-1.4933431
GF200	630013	AA219060	Hs.78934	Hs.78934	breakpoint cluster region	BCR	288.6526	1.25054468
GF200	756163	AA419342	Hs.2557	Hs.234799	heat shock 90kD protein 1,			
GF203	753080	AA436481	Hs.47162	Hs.180532	alpha	HSPCA	288.6299	-1.1962317
GF200	244781	N54407	Hs.34570	Hs.34570	ESTs		288.5941	-1.6012101
					Ser-Thr protein kinase related			
					to the myotonic dystrophy			
GF201	271899	N35241	Hs.44708	Hs.44708	protein kinase	PK428	288.4918	
GF200	51899	H24428	Hs.85053	Hs.85053	KIAA0513 gene product	KIAA0513	288.2926	-1.6991947
					retinol dehydrogenase 5 (11-			
GF201	858204	AA633882	Hs.33730	Hs.172914	cis and 9-cis)	RDH5	288.0872	
GF203	271713	N35100	Hs.130835	Hs.130835	ESTs		287.9077	1.01257544
GF200	202607	H53291	Hs.108048	Hs.268892	ESTs		287.796	-1.4593208
GF200	815774	AA485141	Hs.75367	Hs.75367	Src-like-adaptor	SLA	287.7809	1.13773856
GF201	428907	AA004816	Hs.15903	Hs.15903	ESTs		287.6479	

FO2020" 86226860

## APPENDIX A

GF200	839101	AA487623	Hs.74471	Hs.74471	gap junction protein, alpha 1, 43kD (connexin 43) KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2	GJA1   KDELR2	287.6458   287.6417	-1.2776246   1.10706107
GF200	123117	T98559	Hs.3485	Hs.118778	mitogen-activated protein kinase kinase kinase 2 Tax1 (human T-cell leukemia virus type I) binding protein 1 BUP protein KIAA1289 protein ESTs	MAP4K2  TAX1BP1 BUP KIAA1289	287.6075  287.5497 287.3677 287.3354 287.3238	-1.1239677  1.20345203 1.05376569 -1.7457847
GF200	37234	R35283	Hs.82979	Hs.82979	adaptor-related protein complex 2, beta 1 subunit ESTs	ADTB2	287.2643 287.1768	1.08870175 -2.223127
GF202	511218	AA085713	Hs.103660	Hs.146245	ESTs, Weakly similar to coded for by C. elegans cDNA yk86e5.5 [C.elegans] ESTs		287.0675 287.0472	-1.7002186 1.00287554
GF200	197843	R96206	Hs.44879	Hs.203933	KIAA0293 protein glycogen synthase 2 (liver) zinc ribbon domain containing, 1	KIAA0293 GYS2  ZNRD1	286.7949 286.6822  286.6661	1.28425131
GF201	810575	AA464582	Hs.57813	Hs.57813	diacylglycerol kinase, zeta (104kD)	DGKZ	286.3316 286.2847	1.10911454
GF201	810868	AA458969	Hs.4882	Hs.89981	Homo sapiens CTL2 gene heat shock 90kD protein 1, alpha	HSPCA	286.2427 286.2125	-1.3186459 -2.9364093
GF200	137581	R39578	Hs.105509	Hs.105509	ESTs ESTs		286.1588 286.1509	-2.331018 -1.164878
GF203	288673	N62400	Hs.26662	Hs.180532	selenoprotein P, plasma, 1 multimerin ras association (RalGDS/AF- 6) domain containing protein JC265	SEPP1 MMRN  LOC54453	286.1316   286.0762	-1.0020997   1.10177666
GF200	208790	H63315	Hs.38170	Hs.38170				
GF200	196222	R92962	Hs.35052	Hs.35052				
GF200	530814	AA070226	Hs.3314	Hs.3314				
GF200	759865	AA423867	Hs.32934	Hs.268107				
GF200	187147	R83224	Hs.62349	Hs.62349				

"02020" 86226860

## APPENDIX A

GF200	295997	N73563	Hs.44373	Hs.44373	ESTs	285.9468	1.1422762
GF203	683278	AA213669	Hs.56276	Hs.56276	ESTs	285.8943	-1.7063513
GF200	190887	H38383	Hs.82116	Hs.82116	myeloid differentiation primary response gene (88)	285.8281	1.26783876
GF201	415565	W80709	Hs.58485	Hs.58485	ESTs	285.6716	
GF200	151662	H04028	Hs.997	Hs.997	placental protein 11 (serine proteinase)	285.4962	-1.8702191
GF200	131887	R25166	Hs.103395	Hs.103395	ESTs	285.2665	-1.1630079
GF203	246659	N57722	Hs.114451	Hs.155462	minichromosome maintenance deficient (mis5, S. pombe) 6	285.1709	-2.1239688
GF200	66584	T67095	Hs.13036	Hs.13036	DKFZP727A071 protein	285.1684	1.03365758
GF203	1160732	AA877840	Hs.946	Hs.193788	nitric oxide synthase 2A (inducible, hepatocytes)	285.0737	-1.4741642
GF200	296189	W02634	Hs.50492	Hs.50492	ESTs	285.0428	-2.2224887
GF200	810703	AA457697	Hs.57090	Hs.177516	high density lipoprotein binding protein (vigilin)	285.0331	-1.2308562
GF203	450198	AA703526	Hs.121046	Hs.220821	ESTs	284.8968	-1.7870232
GF200	142090	R69244	Hs.24943	Hs.24943	ESTs	284.8578	-2.4583701
GF200	824527	AA490902	Hs.3764	Hs.3764	guanylate kinase 1	284.8274	-1.4212788
GF200	666425	AA232856	Hs.317	Hs.317	topoisomerase (DNA) I	284.8237	-1.9279747
GF200	48886	H16389	Hs.75182	Hs.75182	mannose receptor, C type 1	284.7878	1.18750597
GF200	82976	T70487	Hs.6558	Hs.170218	KIAA0251 protein	284.773	-1.126627
GF203	49569	H15116	Hs.14474	Hs.111515	DKFZP58611023 protein	284.6664	-1.7237974
GF200	160485	H22136	Hs.31871	Hs.75295	guanylate cyclase 1, soluble, alpha 3	284.5735	1.43965277
GF203	272238	N35579	Hs.23480	Hs.23480	ESTs	284.3329	-1.0780309
GF200	48398	H14343	Hs.106430	Hs.153752	cell division cycle 25B	284.263	-1.1508007
GF201	756509	AA436425	Hs.57698	Hs.57698	NAD(P) dependent steroid dehydrogenase-like; H105e3	284.2304	
GF201	49919	H28983	Hs.23080	Hs.100343	ESTs	284.2283	
GF200	327676	W23757	Hs.74070	Hs.74070	keratin 13	283.9649	-2.3163014
GF200	159166	H30094	Hs.5000	Hs.243901	KIAA1067 protein	283.8119	-1.3237435
GF200	79520	T82415	Hs.118759	Hs.78305	RAB2, member RAS oncogene family	283.8003	-1.2240879

## APPENDIX A

ESTs, Moderately similar to									
GF201	795803	AA459865	Hs.9501	Hs.109706				283.7866	
GF203	412927	AA707728	Hs.120851	Hs.120851				283.7037	-1.1881874
matrix metalloproteinase 16									
GF200	46916	H09997	Hs.90800	Hs.90800			MMP16	283.6039	-1.4171376
(membrane-inserted)									
GF200	46916	H09997	Hs.113763	Hs.90800			MMP16	283.6039	-1.4171376
(membrane-inserted)									
activating transcription factor 6 ATF6									
GF201	417251	W87752	Hs.100594	Hs.247433				283.5895	
GF200	212620	H70554	Hs.82860	Hs.219683				283.3549	-1.1265969
ESTs									
Homo sapiens mRNA; cDNA									
GF200	138929	R62566	Hs.9396	Hs.239870				283.3412	1.04567723
GF200	110467	T89391	Hs.117922	Hs.139851			CAV2	283.2386	-1.4350848
DKFZp564H0764 (from clone									
DKFZp564H0764)									
caveolin 2									
major histocompatibility									
GF200	80109	T63324	Hs.53875	Hs.198253			HLA-DQA1	283.1982	2.37255261
complex, class II, DQ alpha 1									
major histocompatibility									
GF200	80109	T63324	Hs.83231	Hs.198253			HLA-DQA1	283.1982	2.37255261
GF200	234664	H77737	Hs.39803	Hs.39803			EST	283.0504	-1.2800784
GF201	143062	R71335	Hs.106172	Hs.122505			ESTs	283.0281	
phosphoribosyl pyrophosphate									
GF200	503097	AA151486	Hs.2910	Hs.2910			PRPS2	283.005	-1.2324385
GF203	30821	R42569	Hs.22444	Hs.22444			ESTs	282.88	-1.848435
Homo sapiens mRNA; cDNA									
DKFZp761G02121 (from clone									
DKFZp761G02121); partial									
GF201	181541	H28681	Hs.21041	Hs.234074			cds	282.8061	
mannosidase, alpha, class 1A,									
GF200	112629	T85698	Hs.2750	Hs.2750			member 1	282.7254	-1.8281308
GF201	343380	W68845	Hs.24095	Hs.24095			ESTs	282.6463	
Homo sapiens cDNA									
GF201	504689	AA149172	Hs.55781	Hs.55781			FLJ20604 fis, clone KAT06449	282.3242	
GF203	454326	AA677240	Hs.100768	Hs.100768			ESTs	282.2704	-2.1851691

T.D.2020" 86226860

## APPENDIX A

GF200	139217	R68473	Hs.23909	Hs.23294	ESTs, Weakly similar to weak similarity to HSP90 [C.elegans]	282.2231	-2.2494422
GF200	204539	H58254	Hs.395	Hs.395	chemokine (C-C motif) receptor 2	282.0126	1.09052437
GF200	122159	T98612	Hs.67102	Hs.119571	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)	281.9675	-1.0009613
GF200	122159	T98612	Hs.119571	Hs.119571	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)	281.9675	-1.0009613
GF203	1161775	AA876039	Hs.3046	Hs.239790	ESTs, Highly similar to VILLIN [H.sapiens]	281.7223	-1.6884285
GF200	140131	R66006	Hs.1209	Hs.1209	acyl-Coenzyme A dehydrogenase, long chain	281.7141	1.13593204
GF201	258061	N30327	Hs.31246	Hs.31246	ESTs	281.5903	
GF200	347373	W81684	Hs.77939	Hs.184693	transcription elongation factor B (SIII), polypeptide 1 (15kD, elongin C)	281.5852	-1.3101649
GF200	812276	AA455067	Hs.76930	Hs.76930	synuclein, alpha (non A4 component of amyloid precursor)	281.3975	1.29364094
GF200	66333	T66828	Hs.12951	Hs.64313	ESTs	281.1886	-2.7029915
GF200	739990	AA478078	Hs.64994	Hs.151706	KIAA0134 gene product	280.7218	-1.2877092
GF203	247240	N54049	Hs.8258	Hs.8258	DKFZP434D1335 protein	280.5859	-1.8225918
GF203	726445	AA399248	Hs.22412	Hs.22412	ESTs	280.521	-1.9099777
GF203	741790	AA402965	Hs.7942	Hs.7942	Homo sapiens cDNA FLJ20080 fis, clone COL03184	280.4256	-1.623524
GF201	306420	N92699	Hs.106158	Hs.183617	ESTs	280.4142	
GF201	415961	W85812	Hs.15968	Hs.187554	ESTs	280.3326	
GF200	85979	T73187	Hs.75576	Hs.75576	plasminogen	280.0902	1.0306579
GF200	73381	T55801	Hs.2354	Hs.76362	general transcription factor IIA, 1 (37kD and 19kD subunits)	279.8832	1.05545586
					GTF2A1		

## APPENDIX A

GF200	826138	AA521337	Hs.81131	Hs.81131	guanidinoacetate N-methyltransferase	GAMT	279.8775	1.03621356
GF203	435490	AA701352	Hs.114055	Hs.114055	ESTs		279.4446	-1.2074214
GF203	33839	R44816	Hs.22879	Hs.22879	ESTs, Weakly similar to zinc finger protein ZFY [H.sapiens]		279.3436	1.03171197
GF203	825649	AA505067	Hs.22454	Hs.194478	Homo sapiens mRNA; cDNA DKFZp434O1572 (from clone DKFZp434O1572)		279.0663	-1.1048946
GF203	430722	AA678088	Hs.117102	Hs.117102	ESTs		279.0639	-2.3759634
GF200	897751	AA599008	Hs.57553	Hs.57553	tousled-like kinase 2	TLK2	279.0288	-1.0828604
GF200	214577	H71217	Hs.18747	Hs.18747	POP7 (processing of precursor, S. cerevisiae)		278.9008	-1.0355829
GF203	645662	AA206225	Hs.86251	Hs.183733	homolog	RPP20	278.8809	-1.9204141
GF203	712624	AA281798	Hs.7822	Hs.7822	ESTs		278.8489	-1.5596712
GF200	123802	R01323	Hs.61418	Hs.61418	Homo sapiens mRNA; cDNA DKFZp564C1216 (from clone DKFZp564C1216)		278.7929	1.2464611
GF203	451751	AA707686	Hs.119826	Hs.186823	microfibrillar-associated protein 1	MFAP1	278.4865	-2.0510386
GF200	130004	R11605	Hs.20854	Hs.25933	ESTs		278.3162	-1.7956704
GF200	81599	T66018	Hs.75981	Hs.75981	ubiquitin specific protease 14 (tRNA-guanine transglycosylase)	USP14	278.1421	1.68179621
GF200	297061	N73761	Hs.33836	Hs.10755	dihydropyrimidinase	DPYS	278.038	1.11083499
GF201	504761	AA148735	Hs.27284	Hs.135560	ESTs, Weakly similar to ankyrin [H.sapiens]		277.9444	
GF203	815281	AA481552	Hs.104405	Hs.18341	Homo sapiens BAC 137K3 chromosome 8 map 8q24.3 containing part of gene for CGI-72 protein and part of thyroglobulin gene, complete sequence		277.8127	1.2599304
GF203	824994	AA489092	Hs.96553	Hs.177726	ESTs		277.6453	-1.6890513
GF201	429186	AA005112	Hs.101311	Hs.5978	LIM domain only 7	LMO7	277.5981	

"102040" 8646860

## APPENDIX A

GF203	364077	AA021127	Hs.102251	Hs.111801	arsenate resistance protein ARS2	LOC51593	277.5723	-2.949409
GF201	730555	AA435948	Hs.100801	Hs.82646	heat shock 40kD protein 1	HSPF1	277.5602	
GF203	815040	AA465156	Hs.9534	Hs.9534	signal peptidase complex (18kD)	SPC18	277.454	1.01877183
GF201	33438	R44112	Hs.106790	Hs.78865	TATA box binding protein (TBP)-associated factor, RNA polymerase II, E, 70/85kD	TAF2E	277.2632	
GF200	246749	N59738	Hs.93560	Hs.93560	ESTs, Weakly similar to trg [R.norvegicus]		277.152	-1.0543317
GF200	208383	H62842	Hs.38123	Hs.38123	ESTs		276.956	-2.6905151
GF201	360854	AA011014	Hs.857	Hs.857	retinol-binding protein 3, interstitial	RBP3	276.9461	
GF203	199061	H82828	Hs.131844	Hs.269807	ESTs		276.7646	-1.4013597
GF200	194364	H50677	Hs.9423	Hs.173993	RNA binding motif protein 6	RBM6	276.6634	1.45681208
GF200	296741	N74055	Hs.50425	Hs.50425	ESTs		276.6376	-2.5876141
GF200	197791	R93782	Hs.35191	Hs.136309	Chromosome 1 specific transcript KIAA0491		276.4761	-1.1433346
GF200	53099	R15791	Hs.90821	Hs.90821	ryanodine receptor 2 (cardiac)	RYR2	276.3691	-1.3198749
GF200	53099	R15791	Hs.117609	Hs.90821	ryanodine receptor 2 (cardiac)	RYR2	276.3691	-1.3198749
GF201	491418	AA115537	Hs.61749	Hs.109526	zinc finger protein 198 ESTs, Weakly similar to !!!! ALU SUBFAMILY J WARNING ENTRY !!!!	ZNF198	276.3275	
GF200	245885	N77368	Hs.15036	Hs.15036	[H.sapiens] replication factor C (activator 1) 3 (38kD)	RFC3	276.1693	-2.7532579
GF203	277112	N39611	Hs.115474	Hs.115474	ESTs		276.1662	-1.0724113
GF200	121661	T97616	Hs.15848	Hs.226410	ESTs		275.9872	-1.2032466
GF200	208434	H62166	Hs.38021	Hs.221894	ESTs		275.9037	-1.5926892
GF200	340558	W55964	Hs.82425	Hs.82425	actin related protein 2/3 complex, subunit 5 (16 kD)	ARPC5	275.7509	1.16970088
GF200	31093	R17717	Hs.63984	Hs.63984	cadherin 13, H-cadherin (heart)	CDH13	275.5625	-1.3782525

T02020" 86225860

## APPENDIX A

GF200	279329	N46360	RG.29	Hs.180677	zinc finger protein 162	ZNF162	275.423	1.44340367
GF200	210415	H64850	Hs.82141	Hs.82141	Human clone 23612 mRNA sequence		275.4005	-1.3781153
GF202	69360	T58648	Hs.10440	Hs.10440	EST		275.128	-2.1465078
GF200	341246	W58658	Hs.74362	Hs.74362	ClpP (caseinolytic protease, ATP-dependent, proteolytic subunit, E. coli) homolog	CLPP	275.1193	-1.7457245
GF200	768638	AA425352	Hs.78858	Hs.182575	solute carrier family 15 (H+/peptide transporter), member 2	SLC15A2	275.0166	-2.3428302
GF203	813392	AA458626	Hs.22408	Hs.180895	putative brain nuclearly-targeted protein	KIAA0765	274.9582	-1.9222267
GF200	142259	R70518	Hs.13408	Hs.278898	tumor necrosis factor alpha-inducible cellular protein containing leucine zipper domains; Huntingtin interacting protein L; transcription factor	FIP2	274.8835	-1.5032858
GF202	119289	T98056	Hs.18239	Hs.18239	IIIA-interacting protein		274.8354	-2.5895609
GF203	431632	AA676431	Hs.50267	Hs.50267	EST		274.7585	-1.8408353
GF201	509641	AA058323	Hs.73804	Hs.146360	putative GTP-binding protein similar to RAY/RAB1C	RAYL	274.7551	
GF200	143115	R73647	Hs.91048	Hs.113663	interferon induced transmembrane protein 1 (9-27)	IFITM1	274.7282	1.02943615
GF200	809454	AA456156	Hs.75593	Hs.75593	ESTs		274.0411	-1.243417
GF200	824340	AA489666	Hs.1583	Hs.1583	uroporphyrinogen III synthase (congenital erythropoietic porphyria)	UROS		
GF200	129446	R11267	Hs.110130	Hs.101	neutrophil cytosolic factor 1 (47kD, chronic granulomatous disease, autosomal 1)	NCF1	273.6087	-1.0640334
GF200	129446	R11267	Hs.110130	Hs.101	cytochrome P450, subfamily IVF, polypeptide 2	CYP4F2	273.5806	-1.0473001



FO2020" 86226860

## APPENDIX A

GF200	140422	R65759	Hs.92158	Hs.274204	Homo sapiens cDNA			
GF203	824553	AA490922	Hs.28968	Hs.151604	FLJ10975 fis, clone			
					PLACE1001383, weakly similar to ZINC-FINGER			
GF200	23878	R38201	Hs.99902	Hs.99902	PROTEIN UBI-D4	RPS8	273.516	-2.0093781
GF203	287633	N59134	Hs.107153	Hs.220993	ribosomal protein S8		273.481	-1.1010255
GF200	247655	N54265	Hs.7740	Hs.7740	opioid-binding protein/cell adhesion molecule-like	OPCML	273.3615	-1.0273548
GF200	361048	AA017382	Hs.79093	Hs.79093	ESTs		273.2423	1.16058093
					ESTs		273.1687	1.21273347
					EBNA-2 co-activator (100kD)	p100	273.15	-1.4305356
GF203	712466	AA281753	Hs.7068	Hs.77515	inositol 1,4,5-triphosphate receptor, type 3	ITPR3	272.9807	-1.908449
					Homo sapiens cDNA			
GF201	810785	AA481757	Hs.49499	Hs.270502	FLJ20276 fis, clone		272.8994	
					HEP02437			
					ESTs, Weakly similar to predicted using Genefinder [C.elegans]		272.5662	-1.1338383
GF203	855143	AA630221	Hs.23047	Hs.23047				
GF203	824124	AA490610	Hs.23200	Hs.23200	myotubularin related protein 1	MTMR1	272.2141	-1.3583993
GF201	50130	H16989	Hs.26744	Hs.26744	ESTs		272.1545	
GF203	231944	H92893	Hs.100343	Hs.100343	ESTs		271.9443	-2.216724
GF201	264162	N20480	Hs.31248	Hs.25615	YDD19 protein	YDD19	271.9253	
GF202	592771	AA159994	Hs.55825	Hs.146310	ESTs		271.7152	-1.3324336
GF201	67330	T49236	Hs.8958	Hs.8958	ESTs		271.6828	
GF203	221561	H92525	Hs.36260	Hs.244461	ESTs		271.3915	1.06016694
GF203	712388	AA281719	Hs.88445	Hs.88445	ESTs		271.0302	1.11764731
					eukaryotic translation			
GF203	824122	AA490609	Hs.3717	Hs.181165	elongation factor 1 alpha 1	EEF1A1	270.2537	-1.0637568
					Homo sapiens cDNA			
GF203	878615	AA775273	Hs.93872	Hs.93872	FLJ10105 fis, clone		270.2239	-1.2042565
					HEMBA1002542			
					ESTs, Weakly similar to ORF YGR101w [S.cerevisiae]		270.1978	
GF201	503737	AA131464	Hs.108282	Hs.13094				

Westbrook et al.

## APPENDIX A

GF203	266019	N21514	Hs.22455	Hs.171637	ESTs	270.0059	-1.2692621
vesicle-associated membrane							
GF203	826355	AA521036	Hs.74669	Hs.74669	protein 5 (myobrevin)	269.6397	-1.9871004
GF203	825363	AA504513	Hs.21887	Hs.21887	ESTs	269.6308	1.13054951
GF203	712361	AA405245	Hs.41167	Hs.41167	ESTs	269.2178	-1.4619425
ESTs, Weakly similar to Prt1							
GF201	376767	AA046328	Hs.24213	Hs.111650	homolog [H.sapiens]	269.0501	
GF201	34096	R44930	Hs.21236	Hs.21236	ESTs	269.009	
ESTs, Weakly similar to ORF							
GF203	645368	AA205969	Hs.21943	Hs.21943	YGL221c [S.cerevisiae]	268.9811	-1.2609921
GF203	283068	N51296	Hs.47222	Hs.186572	ESTs	268.6164	-2.1960897
Homo sapiens cDNA							
FLJ11346 fis, clone							
GF203	502689	AA127217	Hs.50898	Hs.274434	PLACE1010900	267.8602	-1.5340525
GF203	451804	AA706818	Hs.119878	Hs.119878	ESTs	267.5419	-1.6081978
GF201	251591	H96643	Hs.108152	Hs.4245	FOS-like antigen-1	267.2745	
FOSL1							
ESTs, Highly similar to 45kDa							
GF201	781026	AA446021	Hs.111855	Hs.107001	splicing factor [H.sapiens]	267.1142	
retinoblastoma-binding protein							
1							
GF201	502832	AA128328	Hs.91797	Hs.91797	RBBP1	266.6847	
GF203	381064	AA057433	Hs.117933	Hs.269246	ESTs	266.4323	-1.4613433
GF201	276469	N39071	Hs.27414	Hs.27414	hypothetical protein	265.8689	
GF203	44154	H06154	Hs.21627	Hs.21627	ESTs	265.7486	-2.3672994
GF203	302873	N89923	Hs.131860	Hs.131860	ESTs	265.7138	-1.1835622
GF203	266263	N26517	Hs.26418	Hs.26418	ESTs	265.6627	-1.4653457
eukaryotic translation initiation							
factor 4B							
GF203	811916	AA454988	Hs.57621	Hs.93379	EIF4B	265.39	-1.0785881
GF201	809652	AA454675	Hs.23987	Hs.23987	ESTs	264.6471	
GF203	283208	N51367	Hs.29397	Hs.29397	ESTs	264.5662	1.25388489
GF203	177074	H40921	Hs.130826	Hs.25615	YDD19 protein	264.2929	-2.5056995
putative ATP(GTP)-binding							
protein							
GF203	624785	AA181995	Hs.18259	Hs.18259	NTPBP	263.3239	-2.0358076
GF203	712360	AA405008	Hs.96607	Hs.96607	ESTs	263.2801	-1.6762902
GF203	222559	H85855	Hs.33592	Hs.221447	ESTs	263.2765	-1.8252106

Westbrook et al.

APPENDIX A

GF201	288695	N59206	Hs.52871	Hs.153221	synovial sarcoma, translocated to X chromosome	SSXT	263.0106	-1.2628571
GF203	460163	AA676931	Hs.18631	Hs.18631	ESTs		262.9343	-1.7065978
GF203	449126	AA777493	Hs.7967	Hs.7967	ESTs		261.6961	1.4787623
GF203	685019	AA252470	Hs.50418	Hs.25615	YDD19 protein	YDD19	261.0431	-2.1233143
GF203	814227	AA465239	Hs.88602	Hs.88602	ESTs		260.9803	1.03828878
GF203	725394	AA292065	Hs.88057	Hs.183001	ESTs		260.7194	
					acyl-Coenzyme A oxidase 2, branched chain	ACOX2	260.4764	
GF201	85450	T71782	Hs.9795	Hs.9795	ESTs		260.4045	1.1651354
GF203	825464	AA504346	Hs.104572	Hs.104572	ESTs		260.3912	-1.358761
GF203	739457	AA477250	Hs.6647	Hs.6647	ESTs		259.9577	-1.8647426
GF203	176904	H44861	Hs.27430	Hs.278437	fibroblast growth factor 12B	FGF12B		
					ESTs, Weakly similar to KIAA0423 [H.sapiens]		259.9379	-2.2360891
GF203	361363	AA017706	Hs.118451	Hs.173095	ESTs		259.7358	-1.8513282
GF203	811146	AA485732	Hs.119508	Hs.119508	ESTs		259.2596	-1.8278577
GF203	428131	AA001861	Hs.125058	Hs.125058	ESTs		258.8718	1.06078697
GF203	430844	AA678183	Hs.125776	Hs.191959	ESTs			
					Chromosome 1 specific transcript KIAA0491		258.5162	1.21400969
GF203	815034	AA465147	Hs.10257	Hs.136309	ESTs		258.513	
GF201	487152	AA045342	Hs.20800	Hs.20800	ESTs		258.3831	
GF201	428377	AA005350	Hs.20707	Hs.20707	ESTs		258.0104	-1.0920428
GF203	814114	AA465374	Hs.24481	Hs.173001	hypothetical protein	BM-005	257.8665	-1.1203865
GF203	283695	N52946	Hs.114432	Hs.114432	ESTs		257.8519	-1.0196268
GF203	814225	AA465238	Hs.28020	Hs.28020	KIAA0766 gene product	KIAA0766	257.6242	-1.7525232
GF203	824062	AA491212	Hs.104441	Hs.193689	ESTs		257.4245	-1.7488003
GF203	686690	AA259131	Hs.88349	Hs.88349	ESTs			
GF203	47204	H11051	Hs.6132	Hs.6132	copine VI (neuronal)	CPNE6	257.366	

"00000" 8646860

## APPENDIX A

Human DNA sequence from clone 889N15 on chromosome Xq22.1-22.3. Contains part of the gene for a novel protein similar to X. laevis Cortical Thymocyte Marker CTX, the possibly alternatively spliced gene for 26S Proteasome subunit p28 (Ankyrin repeat protei									
GF201	83999	T70892	Hs.8763	Hs.8763	KIAA1033 protein	KIAA1033	256.8247	-1.0815013	
GF203	686100	AA262727	Hs.9591	Hs.12144	KIAA0256 gene product	KIAA0256	256.4848		
GF201	858181	AA633872	Hs.118978	Hs.118978	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial) ESTs		255.0542		
GF201	757222	AA496149	Hs.59889	Hs.59889	transmembrane protein with EGF-like and two follistatin-like domains 1	HMGCS2	254.9199		
GF203	826266	AA520982	Hs.104414	Hs.193514	v-maf musculoaponeurotic fibrosarcoma (avian) oncogene homolog ESTs		254.2972	-2.0455282	
GF203	277165	N40940	Hs.113927	Hs.78531		TMEFF1	254.1273	-1.1652611	
GF203	277414	N34436	Hs.30250	Hs.30250		MAF	253.7948	-1.7941792	
GF201	503760	AA131471	Hs.71440	Hs.71440			253.3908		
Human DNA sequence from clone RP11-395L14 on chromosome 22q13.32-13.33. Contains (part of) up to six novel genes or pseudogenes, the gene for a novel forkhead protein similar to FOXD4 (forkhead box D4, FREAC5), the gene for a novel phosphoglucomutase like suppressor of S. cerevisiae gcr2									
GF203	412881	AA707696	Hs.106190	Hs.7535			253.3104	-1.8633787	
GF203	435488	AA701351	Hs.19673	Hs.19673		HSGT1	253.2613	-1.0740958	

Westbrook et al.

APPENDIX A

GF203	769947	AA430410	Hs.28890	Hs.28890	ESTs	252.8022	-1.7108862
GF203	769754	AA428957	Hs.115479	Hs.30985	MRS1 protein	252.1992	-1.4743619
GF203	431029	AA758470	Hs.121085	Hs.186837	ESTs	251.8267	-1.0985749
GF201	85660	T62068	Hs.11006	Hs.11006	ESTs	251.6617	
					Homo sapiens mRNA; cDNA		
GF203	701371	AA287917	Hs.21739	Hs.21739	DKFZp586i1518 (from clone	251.4572	1.08524063
GF201	504225	AA131934	Hs.13500	Hs.13500	DKFZp586i1518)	250.8966	
					ESTs		
					ESTs, Highly similar to very		
					long-chain acyl-CoA		
					synthetase homolog 1		
GF201	731426	AA412064	Hs.49765	Hs.49765	[H.sapiens]	250.2675	
					utrophin (homologous to		
GF201	356732	W84486	Hs.107574	Hs.17401	dystrophin)	249.9407	
					Homo sapiens clone 25020		
GF203	49481	H16514	Hs.62119	Hs.62119	mRNA sequence	249.7889	-2.401652
GF201	301043	N81017	Hs.42679	Hs.42679	ESTs	249.55	
GF203	590145	AA156032	Hs.17667	Hs.17667	ESTs	249.2663	-1.5480121
GF201	416419	W86221	Hs.20837	Hs.194035	KIAA0737 gene product	248.7266	
GF201	430004	AA034014	Hs.18343	Hs.18343	ESTs	247.8851	
					reticulocalbin 1, EF-hand		
GF201	795159	AA453460	Hs.110822	Hs.167791	calcium binding domain	247.2854	
GF203	287665	N62171	Hs.106235	Hs.43691	ESTs	246.606	-1.5291404
					Homo sapiens HDCKB03P		
GF203	549911	AA101072	Hs.7953	Hs.7953	mRNA, partial cds	246.0548	-1.0652328
					Homo sapiens cDNA		
					FLJ10348 fis, clone		
GF203	824061	AA491222	Hs.6671	Hs.6671	NT2RM2001065	245.3862	-1.0280079
GF203	682713	AA207165	Hs.54547	Hs.54547	ESTs	243.7417	-2.4847094
GF201	357285	W93682	Hs.27039	Hs.27039	ESTs	243.3876	
GF203	431511	AA676227	Hs.118350	Hs.191389	ESTs	242.5881	-1.6419925
GF203	266631	N22766	Hs.42419	Hs.42419	ESTs	242.3711	1.4349594
					Human phosphatidylinositol		
					(4,5) bisphosphate 5-		
					phosphatase homolog mRNA,		
GF201	137275	R36587	Hs.92997	Hs.25156	partial cds	241.0114	

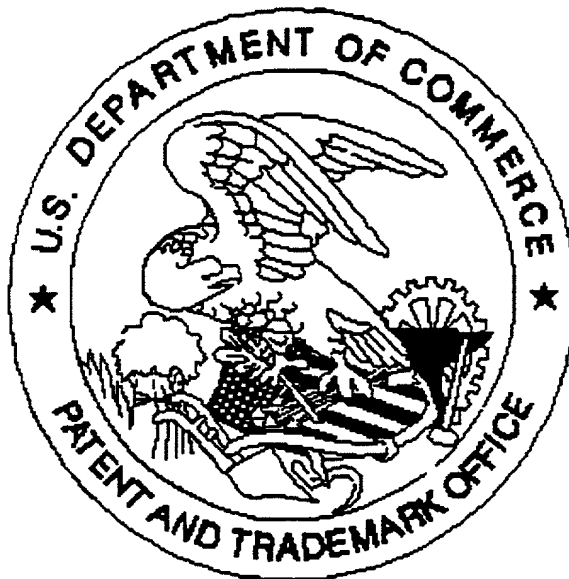
FO2020-86226860

## APPENDIX A

GF201	487151	AA043790	Hs.18336	Hs.62264	KIAA0937 protein ESTs, Weakly similar to DEC1 [H.sapiens]	KIAA0937	240.2281	
GF203	712544	AA279980	Hs.33829	Hs.33829	Homo sapiens cDNA FLJ10229 fis, clone HEMBB1000136		239.4595	-2.270666
GF203	824312	AA490828	Hs.12659	Hs.274415	ESTs		238.7909	-1.5775813
GF203	289534	N59251	Hs.109378	Hs.264347	ESTs		238.1747	-1.6452373
GF203	450268	AA703582	Hs.77829	Hs.77829	ESTs		237.7203	-1.4760919
GF203	451570	AA707066	Hs.119989	Hs.132659	ESTs		235.9678	-1.4292745
GF203	450338	AA703625	Hs.119778	Hs.119778	EST		235.6555	-2.1131155
GF203	416374	W86202	Hs.11663	Hs.102737	tetraspan NET-6 protein	NET-6	235.6145	1.11747199
GF203	175968	H40886	Hs.33024	Hs.33024	ESTs		235.0859	-1.3929123
					Human DNA sequence from clone RP1-20N2 on chromosome 6q24. Contains the gene for a novel protein similar to yeast and bacterial cytosine deaminase, a possible pseudogene similar to part of Tubulin beta chain, the PEX3 gene for peroxisomal biogenesis facto			
GF203	451654	AA706895	Hs.119976	Hs.119976			234.6351	-1.8308693

# United States Patent & Trademark Office

Office of Initial Patent Examination -- Scanning Division



Application deficiencies found during scanning:

☐ Page(s) \_\_\_\_\_ of \_\_\_\_\_ were not present  
for scanning. (Document title)

☐ Page(s) \_\_\_\_\_ of \_\_\_\_\_ were not present  
for scanning. (Document title)

\* NOTE: APPENDIX A WERE NOT NUMBERED.

☐ Scanned copy is best available.

05997798 070201  
T02020 86776860